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Sabreliner Corp.
NA-265-70
Wiring Diagram Manual

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MFG.

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Report No. NA-69-421

Sabreliner Wiring Diagram Manual

Model NA 265-70

ORIGINAL ISSUE: 18 JAN 1976
REVISED: 28 JUL 1989 — REVISION NO. 10

Sabreliner® CORPORATION

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REVISION NOTICE
28 JULY 1989

SABRELINER
WIRING DIAGRAM MANUAL

MODEL NA 265-70

REVISION INSTRUCTIONS

This is the latest revision dated July 28, 1989, Revision No. 10 to your Sabreliner Wiring Diagram Manual, Report No. NA-69-421. Insert latest revised pages, remove and destroy superseded pages.

This revision incorporates S/B 88-2, S/L 82-17 and also changes the introduction to the new style format. Please note that new vertical and horizontal zones are being added to all new and revised wiring diagrams. These new zones will aid the technician in locating referenced components.

When revising your manual, the List of Effective Pages should be used as a cross reference for removing obsolete pages and inserting the new and/or revised material. This ensures that only the latest material remains in the manual.

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SERVICE PUBLICATION LIST

The following is a list of Service Publications that are incorporated in this manual. They consist of Service Bulletins (S/B), Service Letters (S/L), and Optional Kits (SOK).

Listed below is a list of the Sabreliner Service Bulletins (S/B) incorporated in this manual.

SERVICE BULLETIN	SUBJECT
71-5	Installation of Auxiliary Power Unit (Solar T-62T-39 Gas Turbine) — NA 265-60, NA 265-70, and NA 265-80 Series
72-12	Installation of CF700-2D-2 Engine (GE)
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11	Electrical — DC Power Circuit Breaker Rating Upgrade and Cooling Provision
83-8	Fuel — Modification of FUEL HEAT ON Indicator Lights Wiring
85-2	Landing Gear — Nose Wheel Steering Test System
88-2	Electrical — Installation of Phoenix Aerospace (solid state static) DC Voltage Regulators and Improved Equalizer Bus Modification

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SERVICE PUBLICATION LIST (Continued)

Listed below is a list of the Sabreliner Service Letters (S/L) incorporated in this manual.

SERVICE LETTER	SUBJECT
34	Electrical — Installation of Engine Fire Warning Bell in Model NA 265-70 and NA 265-80 Aircraft.
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82-17	Anti-Ice — Improved Forward Windshields Part Numbers 265-318202-51 and 265-318202-52
84-4	Fire Protection — Modification of Engine Fire Warning Annunciation System

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Listed below is a list of the Sabreliner Operational Kits (SOK) incorporated in this manual.

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FRONTAL

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INTRODUCTION

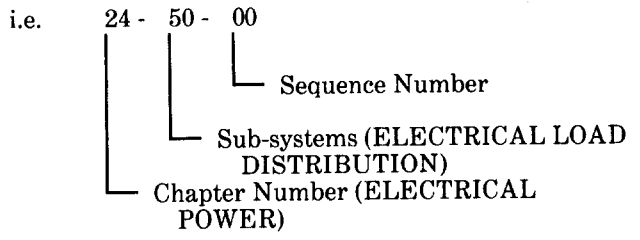
GENERAL

The function of this Wiring Diagram Manual is to illustrate the airplane wiring circuitry to enable trouble-shooting and servicing of the electrical systems. Only the installations made in the airplane during manufacture or those installations changed by service bulletins, letters, and optional kits, are included in this manual. After delivery by the completion center to the customer, changes made to the airplane (other than by service bulletins, letters, and optional kits) are not included. Installations (avionic, interiors and etc.) installed by the completion center are furnished as a supplement to this manual.

This manual provides coverage for the Sabre 75 (NA-265-70) airplanes (airplanes Serial No. NA370-1 and later). This manual is to be used in conjunction with the Maintenance Manual, Report No. NA-69-420.

IDENTIFICATION OF WIRING DIAGRAMS

The title, a three-dash number system, and a page numbering system are employed to identify each wiring diagram. This numbering system is in accordance with the Air Transport Association, Specification No. 100 (ATA-100). The first two dash numbers of the three-dash number are assigned to specific systems in the same manner as the numbering system used in the SABRELINER Maintenance Manual. The page numbers (ie, 24-50-0) of the Wiring Diagram Manual, therefore, correspond to the chapter and section numbers of the Maintenance Manual wherein the system description and maintenance information are found. The first dash number identifies the chapter; the second dash number identifies the section of the chapter; the third dash number provides a numbering system within the Wiring Diagram Manual and *does not* correspond to the breakout used in the Maintenance Manual;



The following chart provides a list of all chapters and their identification in accordance with the ATA-100 specification. The GAMA "Specification for Manufacturers Maintenance Data" contains the same chapter breakdown as the ATA-100 Specification.

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Page Numbering

Pages within any one specific ATA code are page-numbered consecutively, starting with page 1. Since the wiring diagrams are printed on one side only, page numbers for blank pages are identified on the printed side of each sheet.

WIRING DIAGRAM PRESENTATION

The circuit wiring diagrams give complete wiring information on each circuit in the airplane. All equipment and wire segments and their numbers are shown. The wiring diagrams can be used to determine electrical failure sources and to isolate electrical trouble to definite areas by performing a continuity check between and, where necessary, through major items of equipment. The detailed circuit wiring diagrams include disconnect plugs, terminal boards, switch contact numbers, relay terminals, wire numbers, and pin and socket numbers or letters. With the aid of these diagrams, a point-to-point check can be made on the circuit. On the wiring diagrams, all pins with a dash in front of the pin letter are identified by a lower case letter on the equipment.

Items of equipment on the face of the wiring diagrams are shown in the following conditions:

- Electrical power off. External power not connected.
- Landing gear down and locked, normal weight on gear.
- Main entrance door open.

WIRE IDENTIFICATION

To aid installation and troubleshooting of wiring, each wire, except shielded wires or high-temperature wires, is identified by a letter-number combination stamped at designated intervals along the entire length of the wire.

The wire identification code contains a unit number (when applicable), a circuit function letter, a wire number, a wire segment letter, a wire size number, and in some cases, a phase letter and a ground kit, or test letter. (See figure 1).

UNIT NUMBER

When two or more identical items of equipment are installed in the same airplane, the unit number is used to differentiate between wires or cables having the same identification.

CIRCUIT FUNCTION LETTER

The circuit function letter (P44A20) is used to identify the circuit function. A circuit designation letter is used with circuit function letters "R" and "S." The following table shows the circuits or systems identified by each circuit function letter.

CIRCUIT FUNCTION LETTER	CIRCUIT
C	CONTROL SURFACE
D	INSTRUMENT (other than flight or engine instruments)
E	ENGINE INSTRUMENT
F	FLIGHT INSTRUMENT
G	LANDING GEAR
H	HEATING, VENTILATING AND DEICING
J	IGNITION
K	ENGINE CONTROL (thrust reverser)
L	LIGHTING
M	MISCELLANEOUS
P	DC POWER
Q	FUEL AND OIL
R	RADIO (navigation and communication) RA-Instrument Landing RM-Marker Beacon RN-Navigation RU-UHF Command RX-Recorder RZ-Interphone, Headphone
S	RADAR SN-Navigation SS-Search SX-Recognition (IFF)
V	DC POWER AND DC CONTROL CABLES
W	WARNING AND EMERGENCY (in addition to those listed under other circuits)
X	AC POWER

All wiring in the ac power system is identified by the circuit function letter "X", with a circuit designation letter to indicate phase.

The letters "A," "B," and "C" are applied, in that order, to indicate the phase sequence.

X34A14**A** — Phase A
X29A14**B** — Phase B
X5A14**C** — Phase C
X17A14**N** — Neutral or ground

NOTE

The letter "I" is never used for circuit or cable identification. This avoids confusion with the numeral one.

- ***The letter "O" is never used for circuit or wire identification. This avoids confusion with the numeral zero.***

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WIRE NUMBER

The wire number is used to differentiate between wire runs in a particular electrical system. A different number is used for wire runs not having the same junction or terminal.

WIRE SEGMENT LETTER

The wire segment letter (P44A20) is used to differentiate between wire segments in a particular circuit. A different letter is used for wire segments having a common terminal or connection. A group of wire segments, therefore, makes a wire run.

WIRE SIZE NUMBER

The wire size number (P44A**20**) identifies the AN or AL size of the wire.

GROUND LETTER (N)

The ground letter (D34B20**N**) is used at the end of the wire identification code to identify any wire that completes the circuit to ground.

KIT LETTER (M)

The kit letter (D34B20N **M**) is used when the wire segment or circuit has been modified by a Sabreliner Service Publication. This letter is placed at the end of the wire identification code.

MULTIPLE CONDUCTOR CABLES

The following abbreviations are used as part of the wire number, when specified:

BLU	- blue	WHT	- white
BLK	- black	YEL	- yellow
BRN	- brown (or tan)	VIO	- violet
GRN	- green	GY	- gray
RED	- red	ORN	- orange

REFERENCE DESIGNATOR INDEX (RDI) NUMBERS

Each item of electrical equipment appearing on the diagram is assigned a reference designator index (RDI) number appearing next to the component. This RDI number is a letter, number combination depicted as K514. The letter in this case represents a relay. The following list provides a complete listing as to the identification of these letters.

- B - Blower, Actuator, Motor, Pump, Shaker, Servo, Synchronizer
- C - Capacitor, Filter
- D - Inverter
- E - Antenna, Panel Assembly
- G - Generator
- H - Gland, Shell
- J - Receptacle, Jack
- K - Relay
- L - Detector, Solenoid
- M - Indicator, Loadmeter, Accelerometer, Ammeter, Voltmeter, Clock, Altimeter
- P - Plug, Shell
- R - Resistor, Rheostat, Shunt, Potentiometer
- S - Switch
- T - Transformer
- W - Cable Assembly
- Z - Antenna Selector, Transponder
- AR - Amplifier, Compensator, Computers, Heater, Speaker
- BT - Battery
- CB - Circuit Breaker
- CM - Computer
- CN - Control Unit
- CR - Diode, Rectifier
- DS - Light Assembly, Sign
- FL - Filter
- GY - Gyro
- HR - Heater Element
- KB - Relay Box
- LS - Speaker, Horn
- MT - Mount, Racks
- PS - Power Unit
- RE - Receiver
- SN - Synchronizer
- SS - Sensor
- TB - Terminal Board
- TM - Timer
- TR - Transmitter
- TS - Transducer
- VR - Voltage Regulator
- VV - Valve

RDI numbers **are not** part numbers. They are used to locate an item in the airplane and aid in finding the correct part number. This may be accomplished by utilizing the Reference Designation Index (RDI) in the Illustrated Parts Catalog (IPC).

CROSS REFERENCE FROM WIRING DIAGRAM TO WIRING DIAGRAM

References from one wiring diagram to another system diagram is depicted by a code symbol⬡located adjacent to a relay coil, a set of relay contacts or the continuation of a wire run. The definition of this code is found in the notes/legend column located on the diagram. The number in the code symbol is used to locate the correct note to be used to locate the wiring diagram that the coil or relay contacts may be found. The code symbol⬡in the notes column on the wiring diagram depicts a letter number combination (B1.1). With this letter number combination and by using the wiring diagram cross reference chart, it is possible to locate the wiring diagram where the coil, relay contacts or the continuation of a wire is depicted.

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TERMINAL BOARD IDENTIFICATION

Two basic types of terminal boards (MS27212 and OP370) are used in the airplane. These terminal boards are identified by a letter-number combination. This number corresponds to the terminal board number which appears on the face of the wiring diagrams, and is usually mounted with the No. 1 stud adjacent to the terminal board identification marking. (See figure 1).

Terminal board MS27212 has a single row of terminals (studs). Each stud is identified by a number adjacent (right or left) to the stud.

Terminal board OP370 has three rows of studs. Each row is identified by the letter "L," "M," or "U." These letters are at the end of the terminal board which has the identification marking. The numbers for the studs are in the "M" row. The first number nearest the letter "M" is the number 1, which applies to the first stud in each row. However, terminal numbers "M1" and "M10" may be replaced with a screw which provides mounting for the terminal board. When this hole is used for mounting, it does not affect the numbering for the remaining terminals. (See figure 1).

NOTE

When locating a specified stud in the "M" row of terminals, make sure that every stud, including mount bolt holes, is counted, start from the letter "M." This will give the correct terminal number.

ELECTRICAL SYMBOLS

For electrical symbols used on wiring diagrams, see figure 3.

NOTE

On the wiring diagrams, all pins with a dash in front of the pin letter are identified by a lower-case letter on the equipment.

ITEMS OF EQUIPMENT WITHOUT TERMINAL IDENTIFICATION

There are items of electrical equipment in the airplane having no terminal identification decals on the units; however, the units are identified by part number. Figure 4 identifies the terminal points of these items of equipment as shown in the wiring diagrams.

These items of equipment are identified in the index (sheets 1 and 2, figure 4) by descriptive nomenclature and part numbers. Note part number of item concerned and refer to the index for correct sheet on which the terminals of the item in question are identified. In each case, an identifying marker has been selected as a locator. Lugs, keyways, beads, and even trade-marks have been used as locators.

REPLACING WIRE

Wire removed from the airplane must be replaced with wire of the same type and gage as that removed. This is important. Wire is selected for a circuit because it can withstand the circuit loads and heat that are the result of the nature of the circuit and its location in the airplane. The gage of the wire is selected to ensure that the wire will be large enough to carry the current load. The type of wire is selected to ensure that heat and voltage will not cause the wire to break down and that RF energy will not be radiated or absorbed by circuits that require shielded wire. Shielded wire should be bonded in the same manner as it was bonded on the removed wire. Various manufacturers may use different materials in the construction of any given type of wire, and the wire may look different, yet all of them satisfy specification requirements. However, regardless of the manufacturer or the external appearance of the wire, the conductor itself is always of the same material for any given type of wire. See figure 2 for wire types and an example of the various types of wires.

REVISIONS

Change symbols are used to identify changes to text and illustrations generated by manual revisions. There are five symbols used in this manual.

Changes within text are identified by a black change bar ▮ located along the outside of the page adjacent to the change. A change bar located by the page number and date indicates a non technical change to the page.

Changes to illustrations and schematics are identified by either pointing fingers ☞ or screen ⁘ shading. Changes to notes or other text used on illustrations and schematics are indicated by a change bar located immediately adjacent to the change.

A major change symbol ☞ MAJOR CHANGE appearing in the lower outer corner of the page indicates that more than 50% of the page has changed.

New pages are indicated by the symbol ☞ NEW appearing in the lower outer corner of the page.

The manual is provided with a "Revision Log" page which records revisions by number and date.

WIRING DIAGRAM INDEX

The Wiring Diagram Index is an alphabetical listing of all wiring diagram titles listing the airplane effectivity, chapter/section, and page.

WIRING DIAGRAM CROSS REFERENCE

The wiring diagram cross reference is provided to assist the technician in rapidly cross referencing from one wiring diagram to another wiring diagram. The letter number (B1.1) combination referenced on the wiring diagrams is used to locate the applicable wiring diagram chapter where the item is found. This cross reference chart follows the wiring diagram index.

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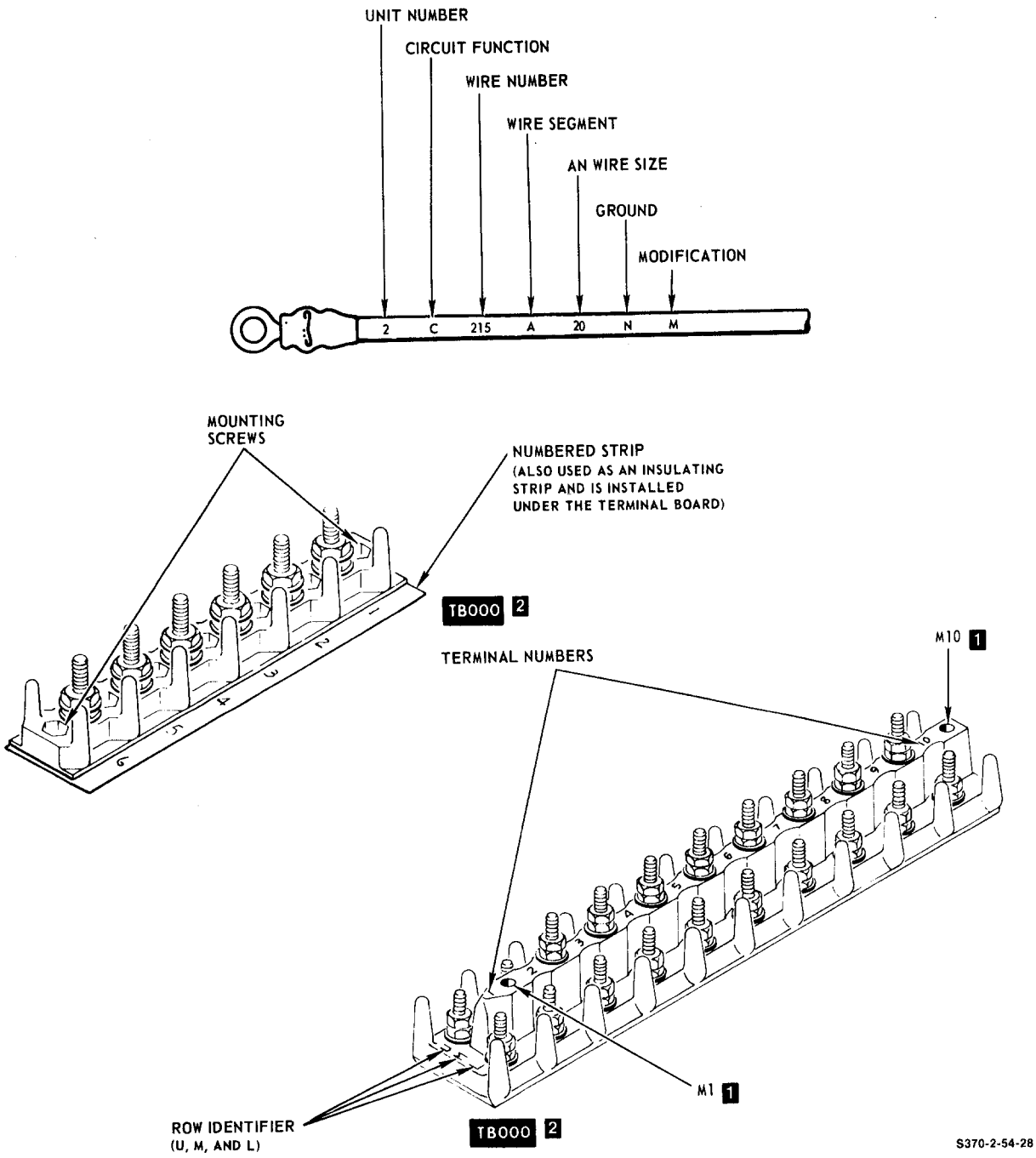

1 MAY BE USED AS MOUNTING HOLES

2 TERMINAL BOARD IDENTIFIER USUALLY LOCATED ON THE FORWARD, UPPER, OR INBOARD SIDE OF TERMINAL BOARD

Figure 1. Terminal Board and Wire Identification

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WIRE TYPES

BB-04C8 –4 CONDUCTORS (SHIELDED, GAGE NO. 22, COLOR CODED RED, WHITE, BLACK, GREEN)

BB-20514 –6 CONDUCTORS (NO SHIELDING, GAGE NO. 22, COLOR CODED RED, GREEN, YELLOW, ORANGE, BLUE, AND BROWN.)

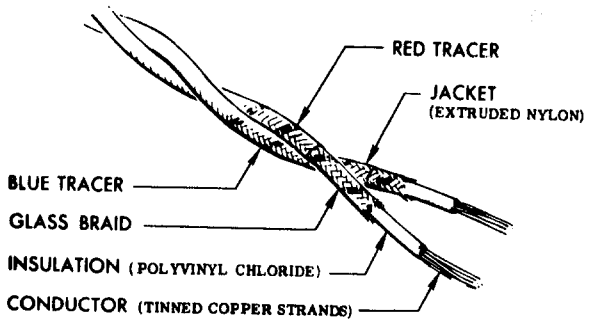
BB-20523 –5 CONDUCTORS (SHIELDED, GAGE NO. 22, COLOR CODED RED, GREEN, WHITE, BLACK, AND YELLOW.)

BB-20479 –2 CONDUCTORS (SHIELDED, GAGE NO. 22, COLOR CODED RED AND GREEN.)

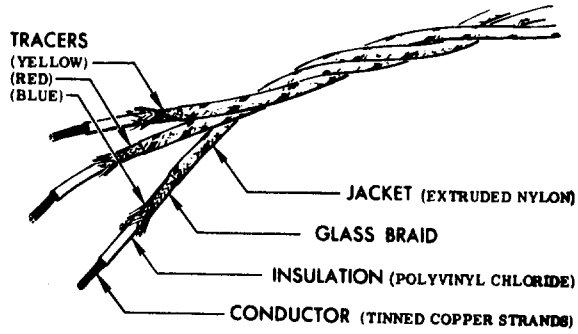
CABLES IDENTIFIED APPROXIMATELY EVERY EIGHT INCHES.

MANUFACTURED BY BB ELECTRONIC CORP.
GARDENA, CALIFORNIA

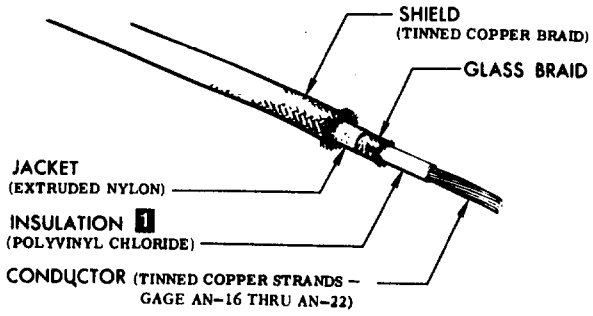
LBO150-101—CLASS 1, TYPE 2
(SUPERSEDED BY MIL-C-27500)



LBO150-101—CLASS 1, TYPE 3
(SUPERSEDED BY MIL-C-27500)



MIL-C-7078A— TYPE II



1 COLOR CODED

2 CONDUCTORS – RED–BLUE
3 CONDUCTORS – RED–BLUE, YELLOW

S265-2-54-22

Figure 2. Wire Types (Sheet 1 of 3)

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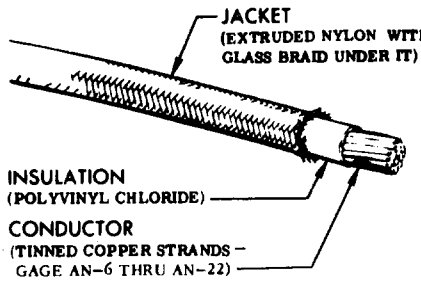
WIRE TYPES

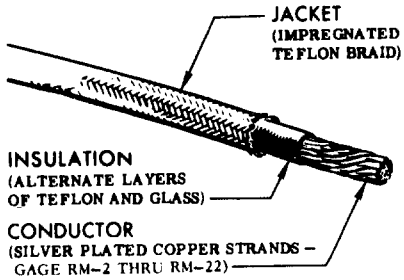
MIL-W-3861—TYPE S

AN UNINSULATED SOLID-COPPER WIRE
(TIN COATED—GAGE NO. 16 THRU NO. 22)

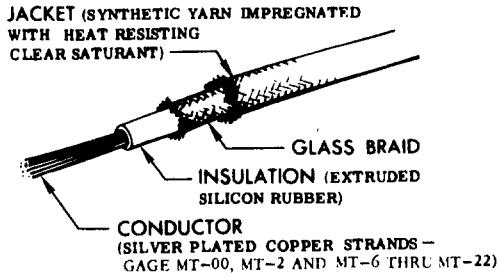
MIL-W-5086 - TYPE II



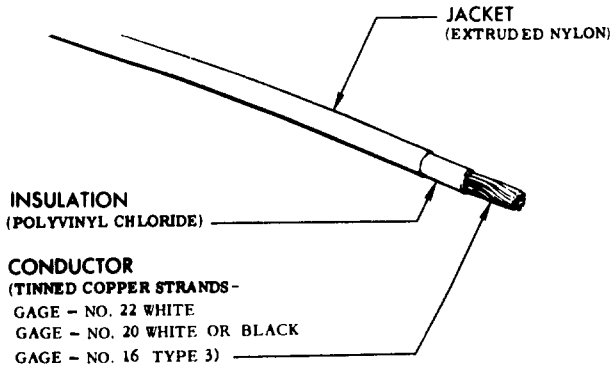
MIL-W-7139B CLASS 1 OR 2
OR
MI-W-22759/1/2



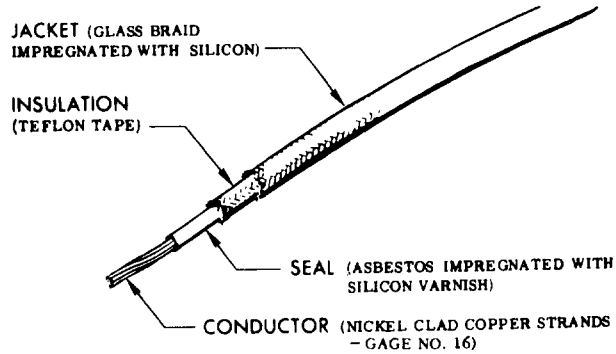
MIL-W-8777A


JACKET (SYNTHETIC YARN IMPREGNATED WITH HEAT RESISTING CLEAR SATURANT)
GLASS BRAID
INSULATION (EXTRUDED SILICON RUBBER)
CONDUCTOR
(SILVER PLATED COPPER STRANDS—
GAGE MT-00, MT-2 AND MT-6 THRU MT-22)

MIL-W-16878C - TYPE B
(HOOKUP)



MIL-W-25038B,
OR
MS27128


JACKET (GLASS BRAID IMPREGNATED WITH SILICON)
INSULATION
(TEFLON TAPE)
SEAL (ASBESTOS IMPREGNATED WITH SILICON VARNISH)
CONDUCTOR (NICKEL CLAD COPPER STRANDS - GAGE NO. 16)

S265-2-54-23A

Figure 2. Wire Types (Sheet 2 of 3)

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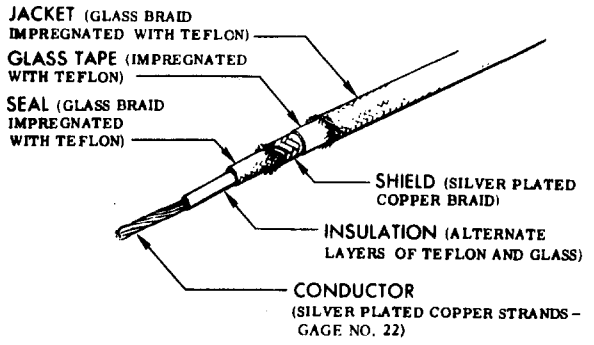
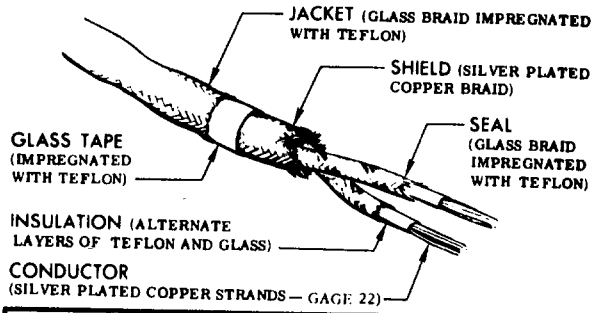
WIRE TYPES

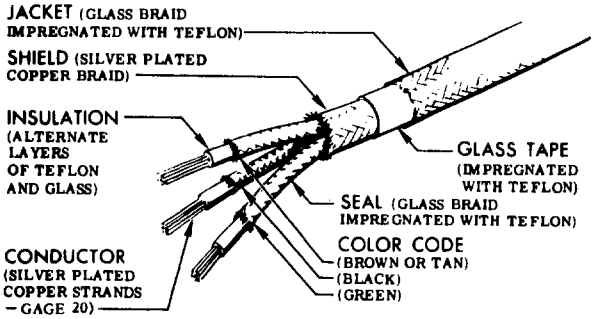
NA2-6115—CLASS 3, TYPE 1 (SUPERCEDED BY MIL-C-27500)


JACKET (GLASS BRAID IMPREGNATED WITH TEFLON)
GLASS TAPE (IMPREGNATED WITH TEFLON)
SEAL (GLASS BRAID IMPREGNATED WITH TEFLON)
SHIELD (SILVER PLATED COPPER BRAID)
INSULATION (ALTERNATE LAYERS OF TEFLON AND GLASS)
CONDUCTOR (SILVER PLATED COPPER STRANDS – GAGE NO. 22)

NA2-6115—CLASS 3, TYPE 2


JACKET (GLASS BRAID IMPREGNATED WITH TEFLON)
SHIELD (SILVER PLATED COPPER BRAID)
SEAL (GLASS BRAID IMPREGNATED WITH TEFLON)
GLASS TAPE (IMPREGNATED WITH TEFLON)
INSULATION (ALTERNATE LAYERS OF TEFLON AND GLASS)
CONDUCTOR (SILVER PLATED COPPER STRANDS – GAGE 22)

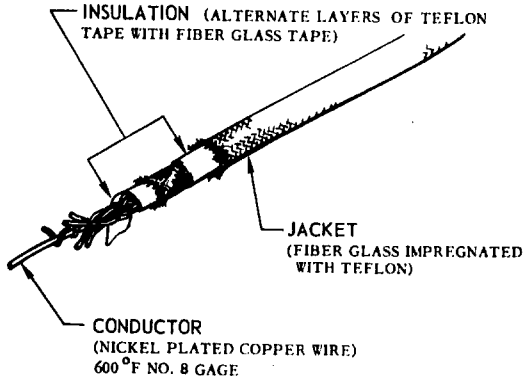
NA2-6115—CLASS 3, TYPE 3


JACKET (GLASS BRAID IMPREGNATED WITH TEFLON)
SHIELD (SILVER PLATED COPPER BRAID)
INSULATION (ALTERNATE LAYERS OF TEFLON AND GLASS)
GLASS TAPE (IMPREGNATED WITH TEFLON)
SEAL (GLASS BRAID IMPREGNATED WITH TEFLON)
COLOR CODE (BROWN OR TAN) (BLACK) (GREEN)
CONDUCTOR (SILVER PLATED COPPER STRANDS – GAGE 20)

NA SPEC NO.	CLASS	TYPE	MANUFACTURER'S NAME AND ADDRESS
NA2-6115	3	1	BOSTON INSULATED WIRE AND CABLE CO, BOSTON, MASS.
	3	2	PACKARD ELECTRIC DIV, GENERAL MOTORS CORP, WARREN, OHIO
	3	3	ROCKBESTOS PRODUCTS CORP, NEW HAVEN, CONN.
			TENSOLITE INSULATED WIRE CO, INC, TARRYTOWN, NEW YORK
			WARREN WIRE CO, POWNAL, VERMONT

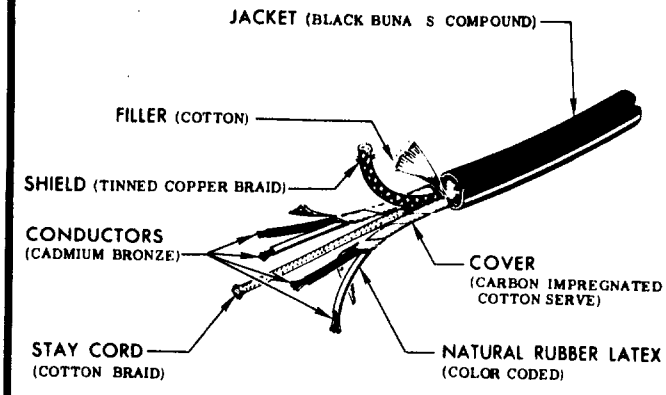
NOTE WHEN ORDERING WIRE BY NA SPECIFICATION NUMBER DIRECT FROM A LISTED MANUFACTURER, GIVE THE NA SPECIFICATION NUMBER, CLASS, TYPE, AND WIRE SIZE.

NA5-72211D


INSULATION (ALTERNATE LAYERS OF TEFLON TAPE WITH FIBER GLASS TAPE)
JACKET (FIBER GLASS IMPREGNATED WITH TEFLON)
CONDUCTOR (NICKEL PLATED COPPER WIRE) 600°F NO. 8 GAGE

MAYBE PURCHASED FROM NORTH AMERICAN AVIATION, INC.
INTERNATIONAL AIRPORT
LOS ANGELES 45, CALIFORNIA

WF-14/U (FOUR-CONDUCTOR FLEXIBLE HEADSET CORD, MIL-E-9088A)


JACKET (BLACK BUNA S COMPOUND)
FILLER (COTTON)
SHIELD (TINNED COPPER BRAID)
CONDUCTORS (CADMIUM BRONZE)
COVER (CARBON IMPREGNATED COTTON SERVE)
STAY CORD (COTTON BRAID)
NATURAL RUBBER LATEX (COLOR CODED)

S265-2-54-24

Figure 2. Wire Types (Sheet 3 of 3)

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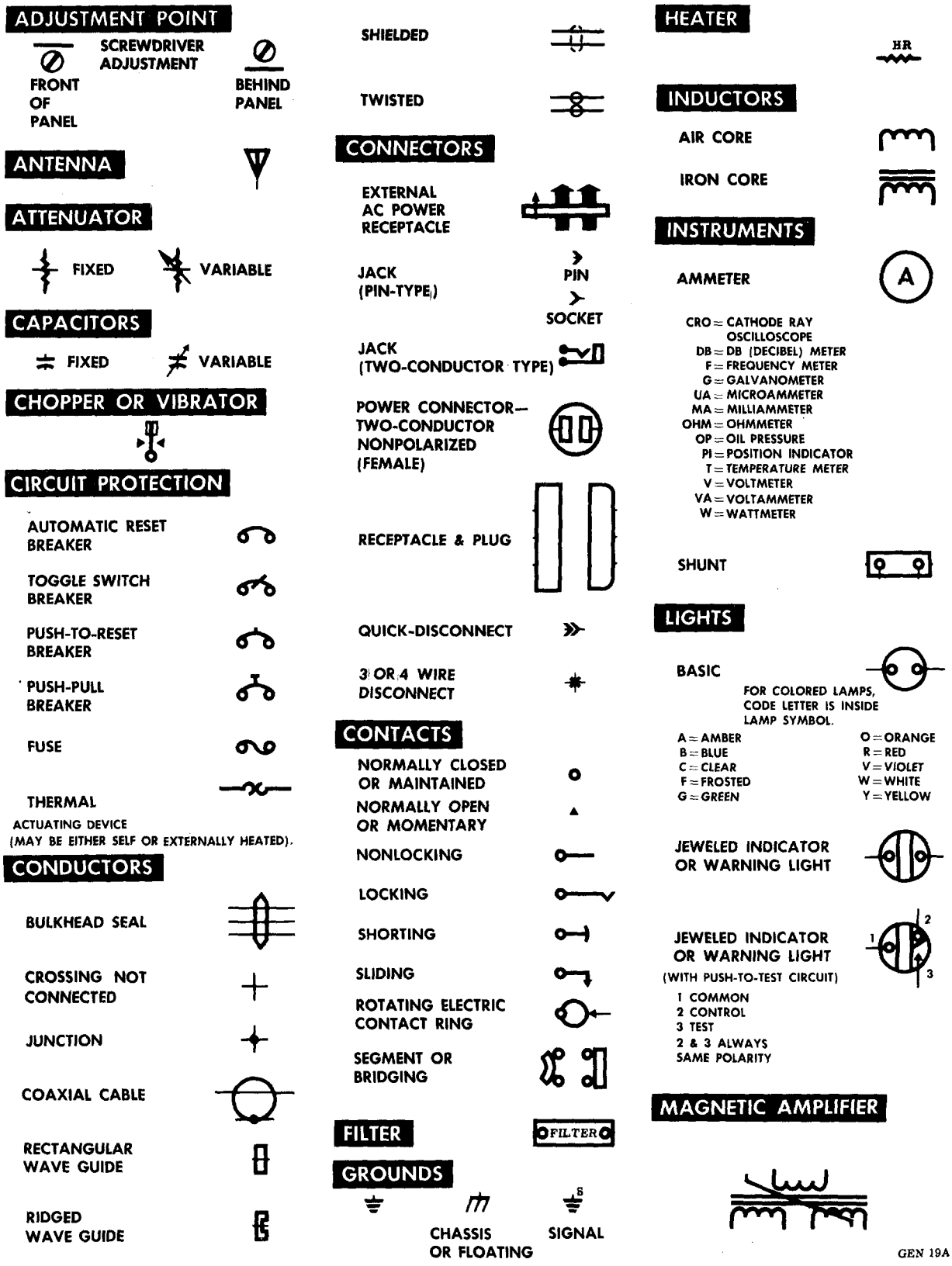

Figure 3. Electrical Symbols (Sheet 1 of 3)

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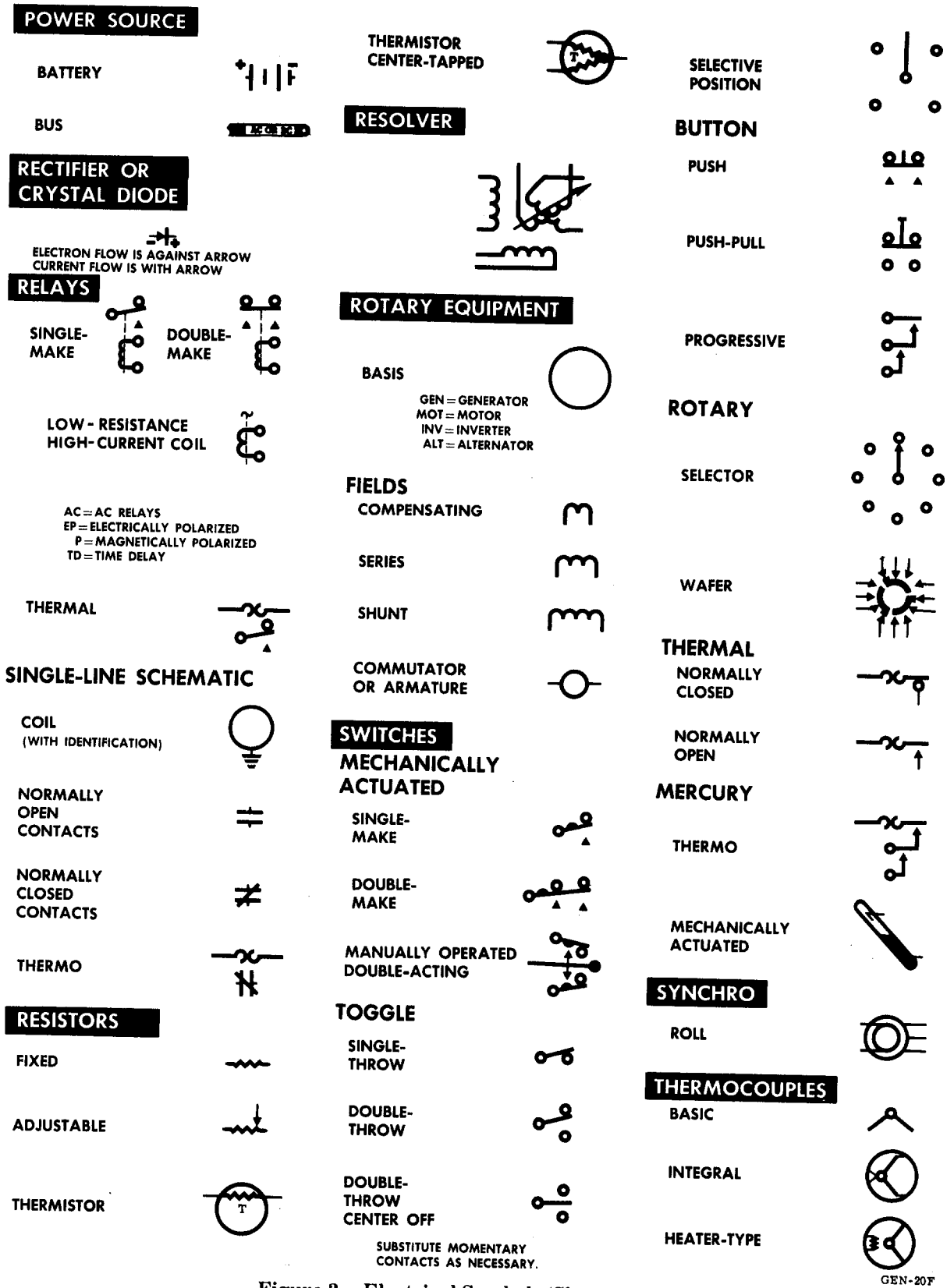

Figure 3. Electrical Symbols (Sheet 2 of 3)

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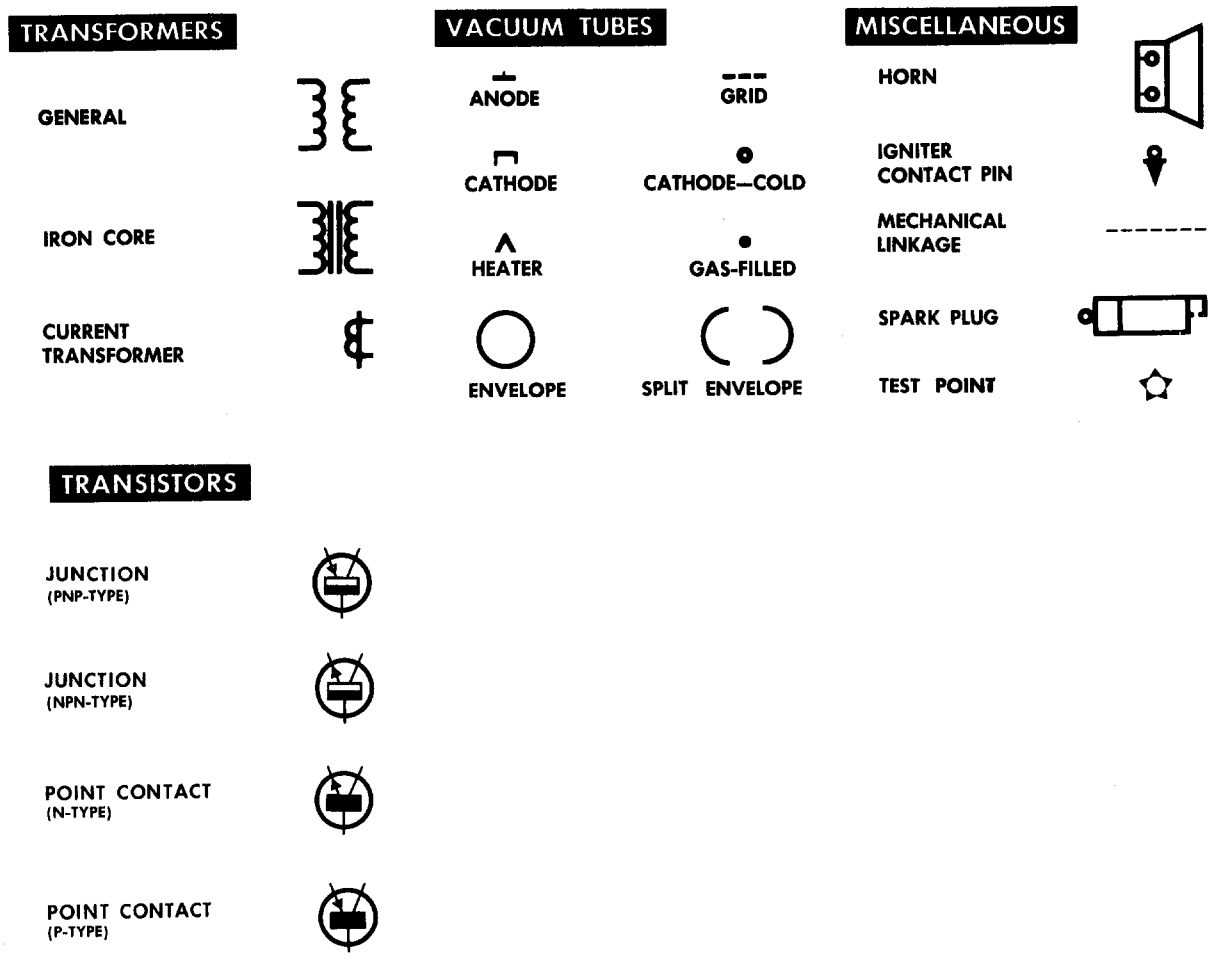

NOTE The build-up examples found in this manual are typical combinations of basic symbols. No attempt is made to list all possible build-up examples on this chart.

GEN-21C

Figure 3. Electrical Symbols (Sheet 3 of 3)

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ITEMS OF EQUIPMENT WITHOUT TERMINAL IDENTIFICATION INDEX

1. On items having one terminal, the terminal is always designated as "A".
2. On items having two terminals, when polarity is not a factor, the arbitrary input terminal is designated as "A" and the arbitrary output terminal is designated as "B"; similarly, when polarity is a factor, the input terminal is designated as "A" and the output terminal is designated as "B".

SHEET

CAPACITOR
CP54B4EG104V (2X.1 MFD) 3
GENERAL ELECTRIC

CIRCUIT BREAKERS
7274-2-( ) 3
MS25244-( ) 3

CONTROL WHEEL 17

DIODE
INTERNATIONAL RECTIFIER
265-540300 & -11 NR (SEE RECTIFIER) 6

DOME LIGHT
L-15977 4
LUMINATOR

ENGINE HARNESS
10-166435-5 15
BENDIX

40961 16
PRATT & WHITNEY

FILTER—RADIO NOISE
TF-57160 4
THOMPSON PROD

LIGHT ASSEMBLY
2182 4
READING LIGHT ASSEMBLY
WEMAC

1276-1-12 4
UNITED CONTROL GROUP

PLUG
AN 3116-2 6

RECEPTACLE
265-540332 6
EXTERNAL POWER RECEPTACLE
NR
107A 6
INDIRECT LIGHTED PANEL
COASTAL

RECTIFIER
1084 (SEE DIODE) 6
INTERNATIONAL RECTIFIER

1N315 6
INTERNATIONAL RECTIFIER

265-540300 & -11 (SEE DIODE) 6
NR

Figure 4. Items of Equipment Without Terminal Identification (Sheet 1 of 17)

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ITEMS OF EQUIPMENT WITHOUT TERMINAL IDENTIFICATION INDEX (Continued)

SHEET

RELAYS

3440-10004 OR 3440 32007 8
12 VOLT COIL, 4 PDT, 10 AMP
HURLERTON

9224-3823 7
NA5-7820-22 TYPE V
LEACH

MS24143-1 9
MS24143-DI 9

UN331457-005 7
NA5-7820-30 TYPE VI
UNION SWITCH & SIGNAL

BR12-675A8-S73 8
BABCOCK
BR7X-300D8-26V 8
BABCOCK

RHEOSTATS

45809 TYPE I OHMITE 9
45810 TYPE II OHMITE 9
45811 TYPE III OHMITE 9
45812 TYPE IV OHMITE 9
45813 TYPE V OHMITE 9

RESISTOR

1-TA-51-D-S-( ) 6
ADJUSTABLE RESISTOR
OHMITE

SHUNT

8414-600 11
JANCO

SWITCHES

MS25068-( ) 10
MS25089-( ) 10
MS25128-( ) 11
MS35058-( ) 11
MS35059-( ) 11

H11-1091 13
CONTROLS COMPANY OF AMERICA

1900-5-B7 12
JANCO

4TL166-12N (SWITCH FLAP) 12
MICRO SWITCH

2PB11 13
MICROSWITCH (PUSH BUTTON)

THERMOSTAT

11041-49-1 9
11041-49-2
METALS AND CONTROLS

WINDOW HEAT ELEMENTS AND TEMP SENSOR 14

WINDSHIELD HEAT ELEMENT & TEMP SENSOR 14

Figure 4. Items of Equipment Without Terminal Identification (Sheet 2 of 17)

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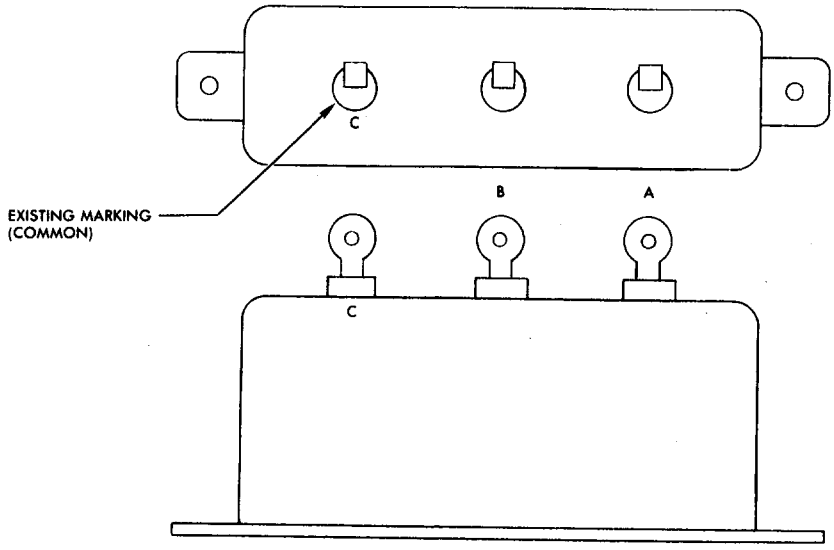
CAPACITOR



CP54B4EG104V (2X.1 MFD)
GENERAL ELECTRIC

CIRCUIT BREAKER

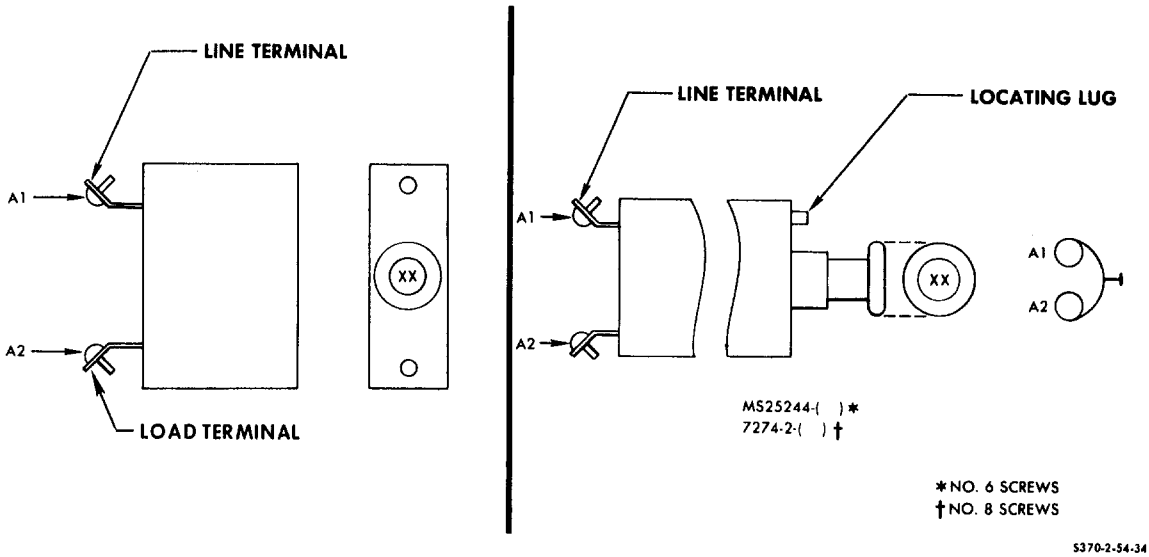


Figure 4. Items of Equipment Without Terminal Identification (Sheet 3 of 17)

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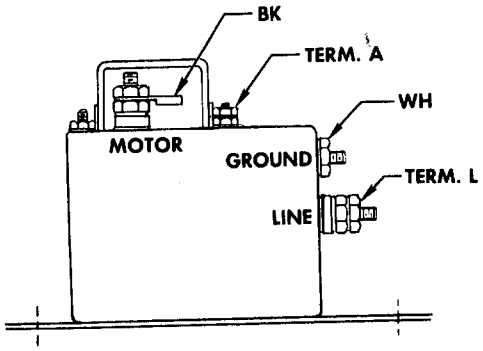
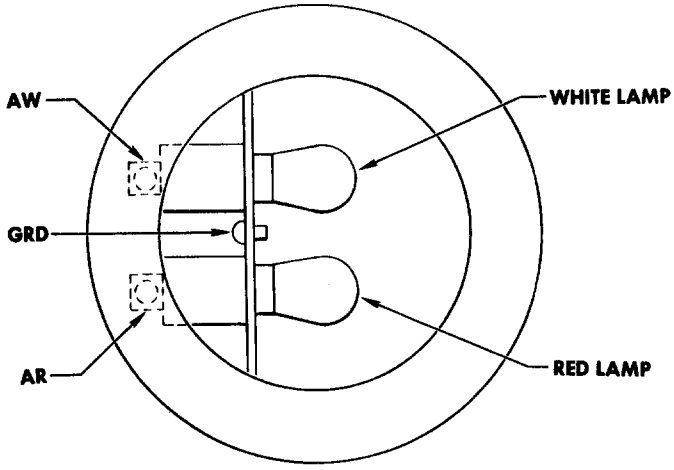
FILTER ASSEMBLY—RADIO NOISE



TF-57160
THOMPSON PRODUCTS, INC

DOME LIGHT

NO. 6 SCREWS

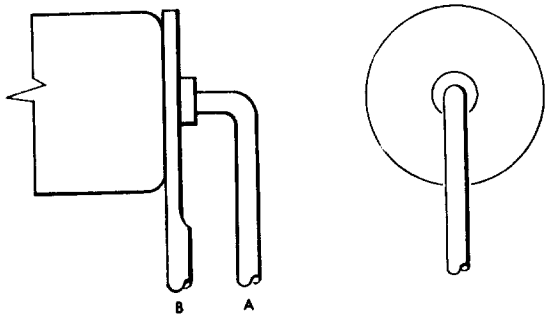


VIEWED FROM LENS SIDE
WITH LENS REMOVED

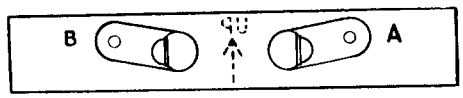
L-15977
LUMINATOR

GRD IS COMMON STRUCTURE GROUND
AR IS INPUT TERMINAL FOR RED LAMP
AW IS INPUT TERMINAL FOR WHITE LAMP

LIGHT ASSEMBLIES



2182
READING LIGHT ASSEMBLY
WEMAC



1276-1-12
UNITED CONTROL CORP

5370-2-54-35

Figure 4. Items of Equipment Without Terminal Identification (Sheet 4 of 17)

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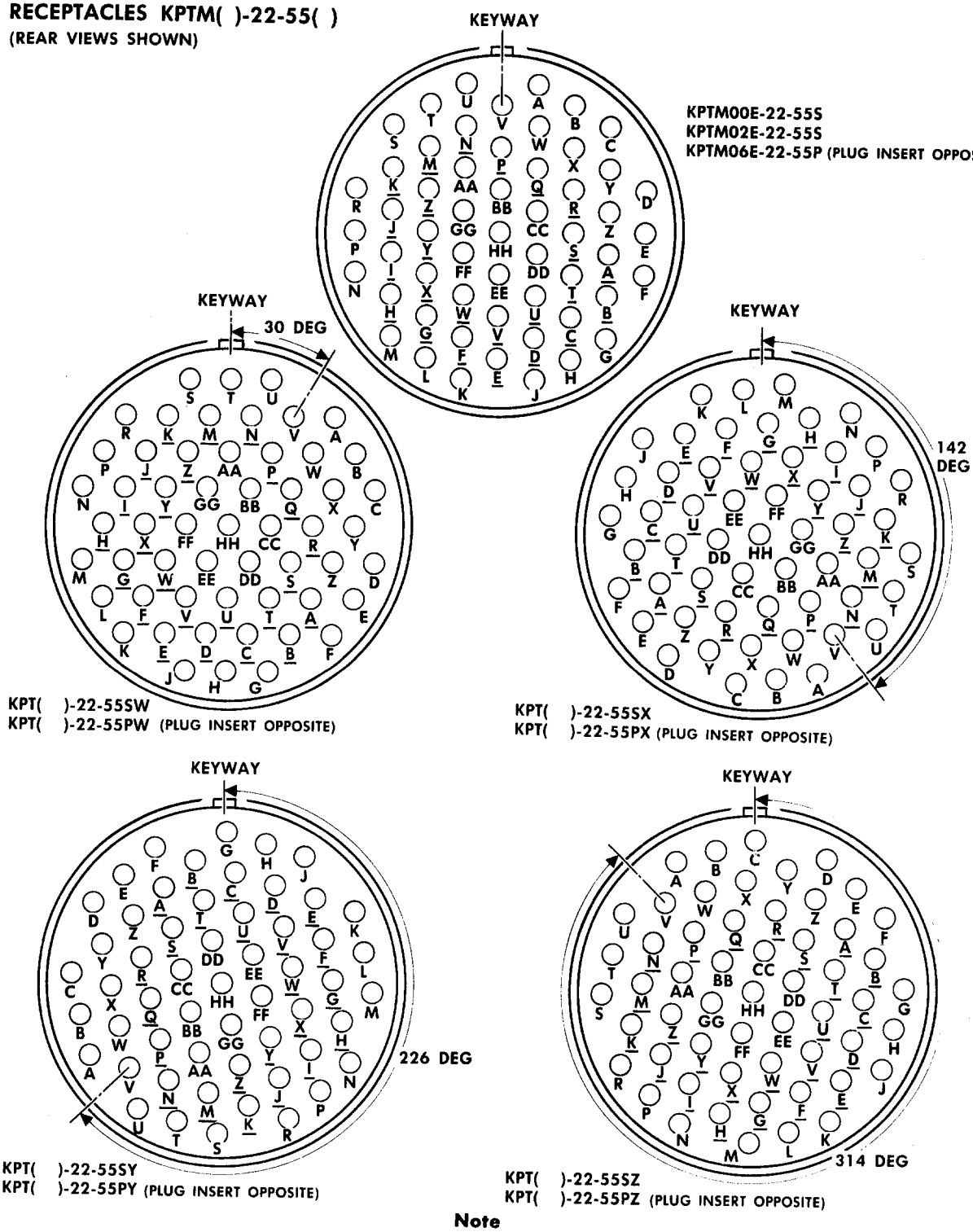
RECEPTACLES KPTM( )-22-55( )
(REAR VIEWS SHOWN)



Note

- The outer circles of contacts are identified on the connectors.
- When reading the contacts from the face of the connector, read counterclockwise for contact identification.

5370-2-54-36

Figure 4. Items of Equipment Without Terminal Identification (Sheet 5 of 17)

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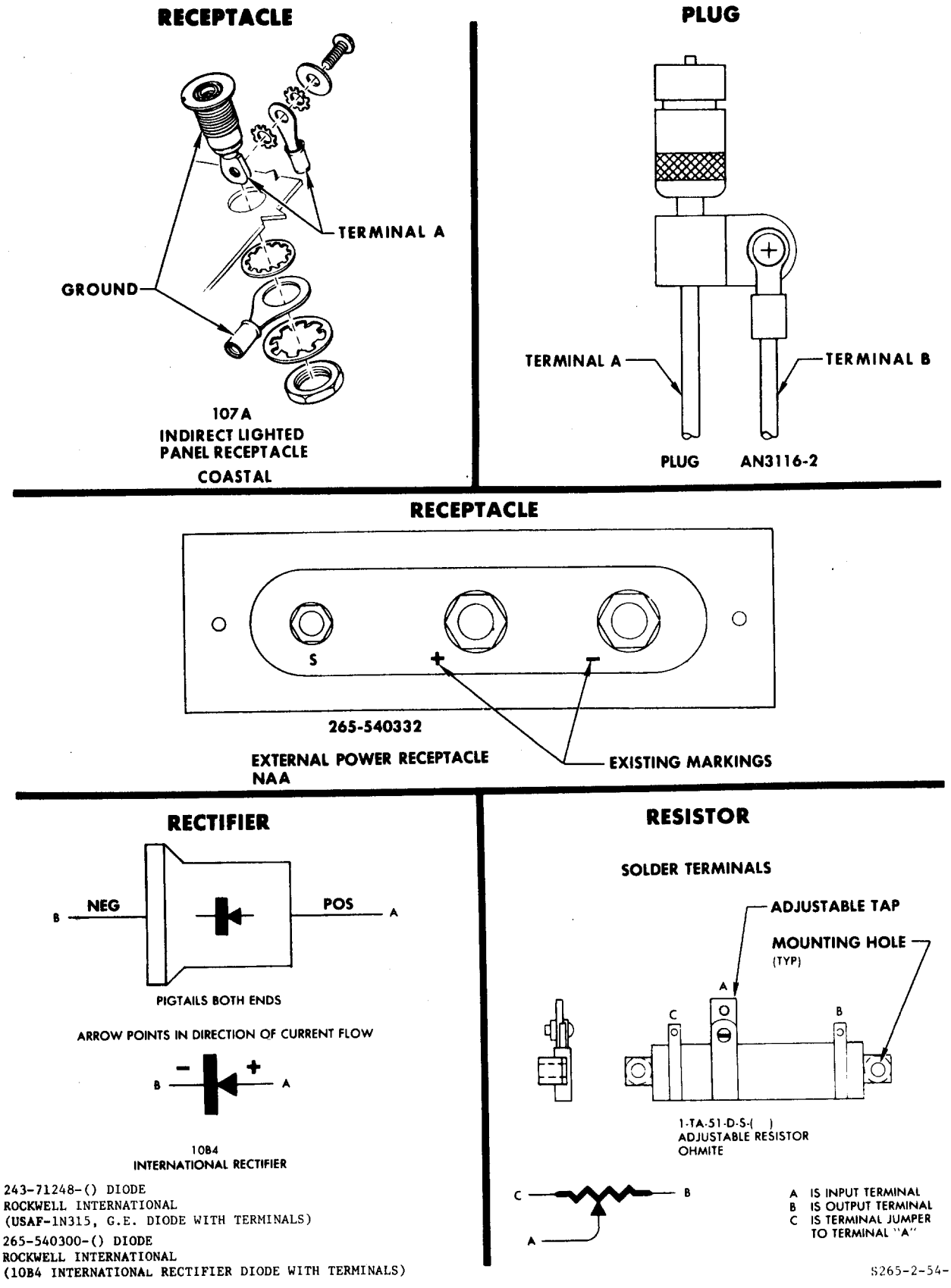

Figure 4. Items of Equipment Without Terminal Identification (Sheet 6 of 17)

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RELAYS
SOLDER TERMINALS

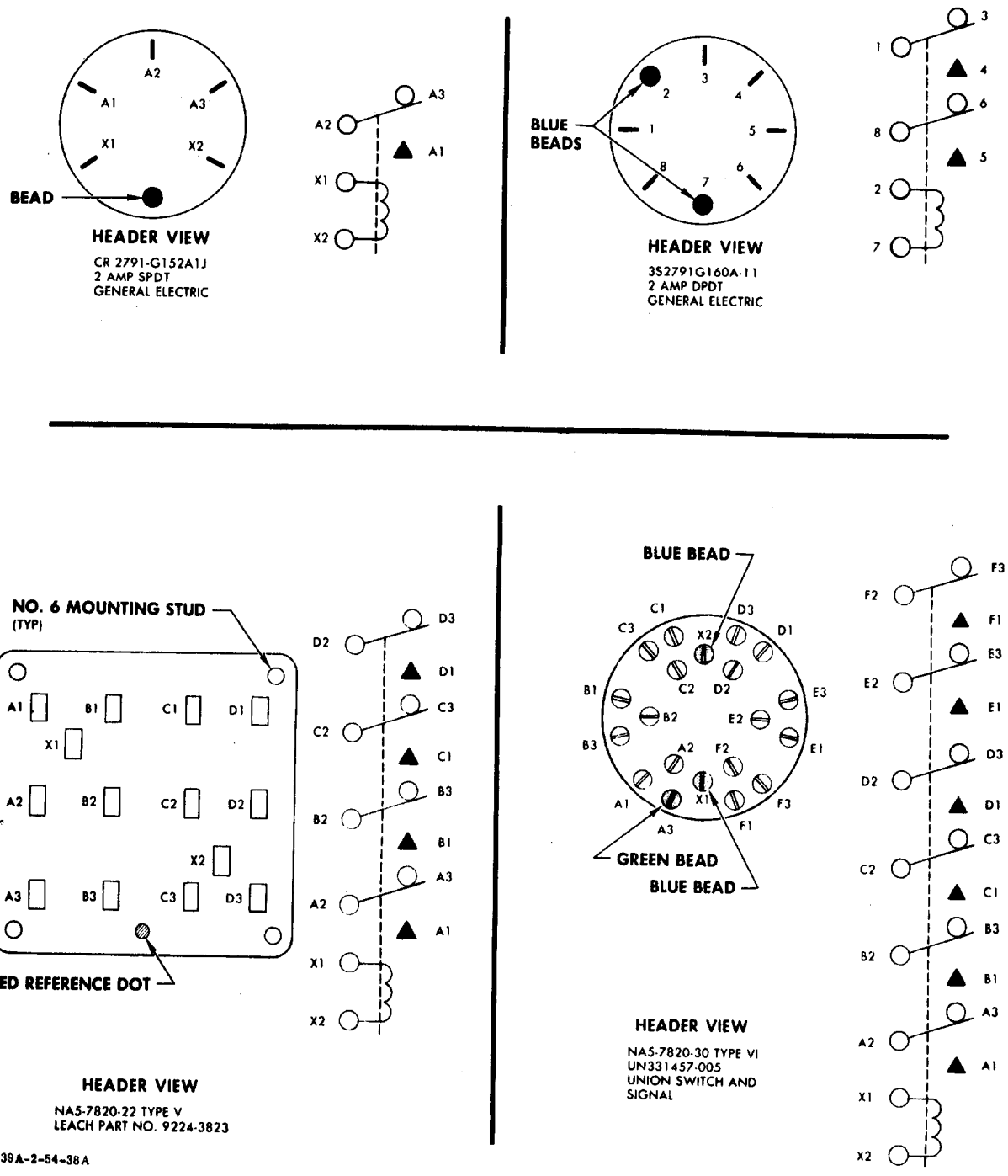

Figure 4. Items of Equipment Without Terminal Identification (Sheet 7 of 17)

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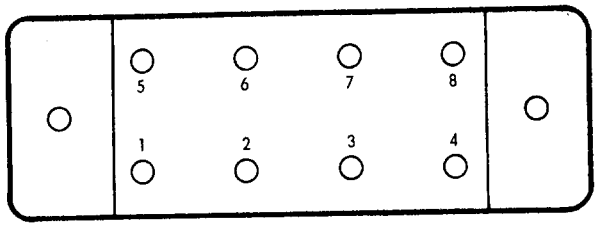
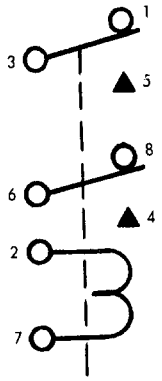
RELAYS

SOLDER TERMINALS

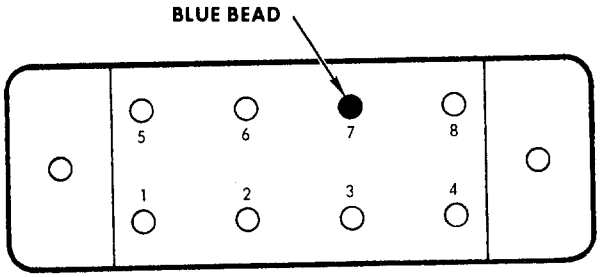
BR12-675A8-S73
2 AMP DPDT
BABCOCK



SOLDER POT VIEW OF SOCKET

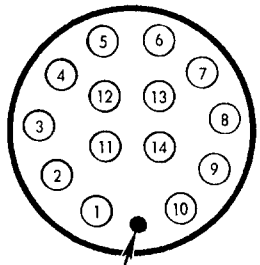


BR7X-300D8-26V
10 AMP DPDT
BABCOCK

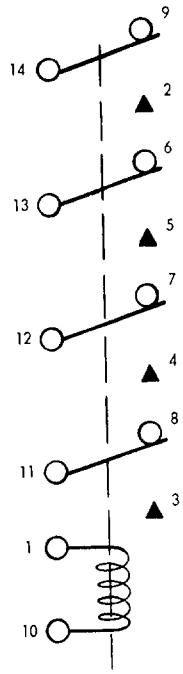


SOLDER TERMINAL VIEW OF RELAY

3440-10004 OR 3440-32007
12 VOLT COIL, 4 PDT, 10 AMP
HURLETRON INC



COLORED DOT



5370-2-54-39

Figure 4. Items of Equipment Without Terminal Identification (Sheet 8 of 17)

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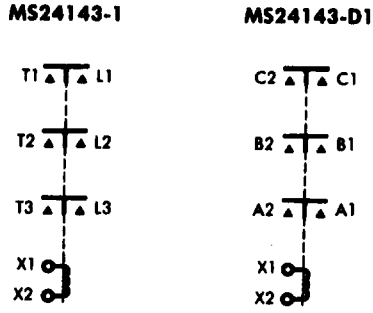
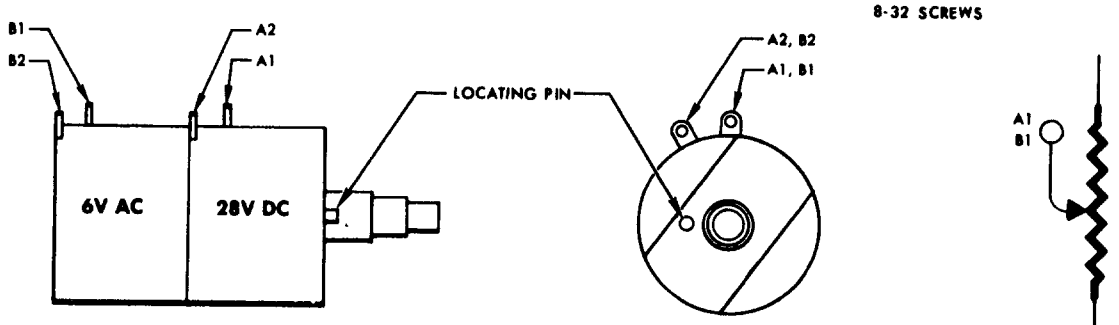
RELAYS (CONTINUED)



MS24143-1 and MS24143-D1 relays are interchangeable, provided the terminal designation relationship is observed as shown in the following instructions. When relay MS24143-1 replaces relay MS24143-D1 (or relay MS24143-D1 replaces relay MS24143-1), the wires connected to terminals T1 and L1 on relay MS24143-1 must be connected to terminals C2 and C1 on relay MS24143-D1, wires on terminals T2 and L2 must be connected to terminals B2 and B1, and wires on terminals T3 and L3 must be connected to terminals A2 and A1, respectively. Terminals X1 and X2 remain the same on each relay.

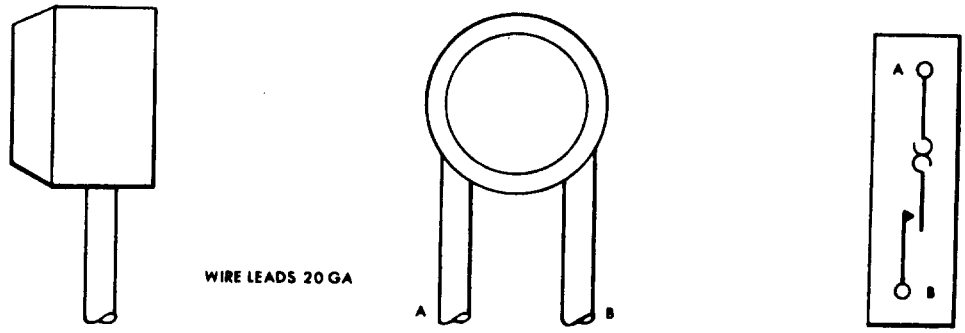
RHEOSTAT



TYPE I OHMITE 45809
TYPE II OHMITE 45810
TYPE III OHMITE 45811
TYPE IV OHMITE 45812
TYPE V OHMITE 45813

A1 AND B1 ARE COMMON TERMINALS

THERMOSTAT



1. G32-1AL
UNITED CONTROL CORPORATION

2. 11041-49-1
11041-49-2
METALS AND CONTROLS

S265-2-54-31

Figure 4. Items of Equipment Without Terminal Identification (Sheet 9 of 17)

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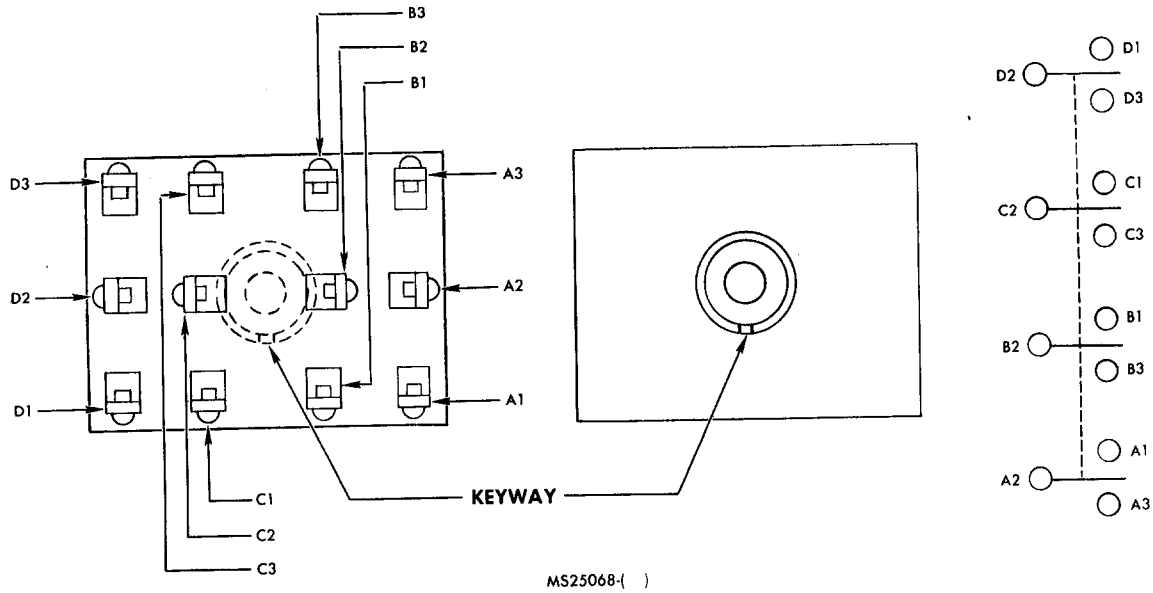
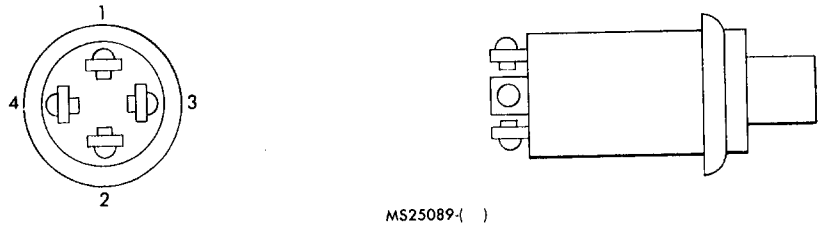
SWITCHES



MS25068-( )

A2, B2, C2, and D2 are common terminals.

Depending on the dash number, terminals A1, B1, C1, and D1, or A3, B3, C3, and D3 may not be on some switches.



MS25089-( )

A continuity meter must be used to determine which terminals of the two-circuit switch are normally open and normally closed.

S370-2-54-41

Figure 4. Items of Equipment Without Terminal Identification (Sheet 10 of 17)

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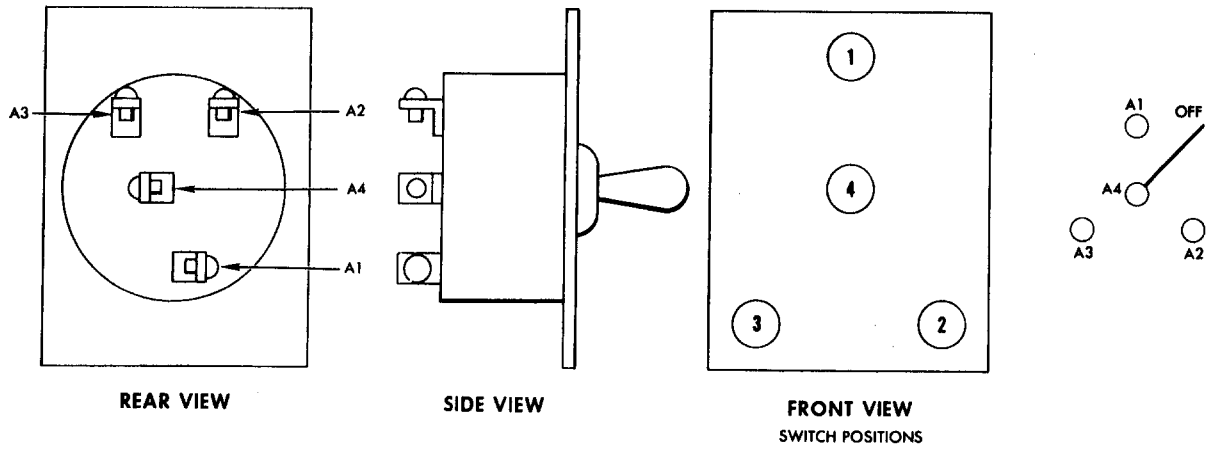
SWITCHES (CONTINUED)

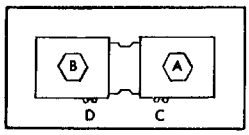
NO. 8 SCREWS



MS25128-( )

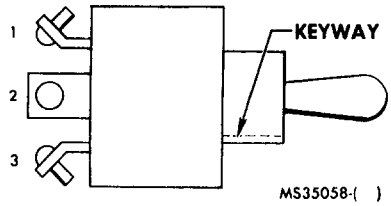
A4 IS COMMON TERMINAL

SHUNT

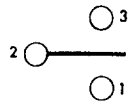


8414-600
JANCO

NO. 6 SCREWS



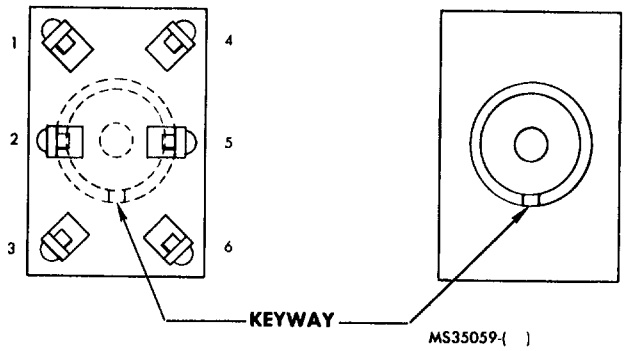
MS35058-( )



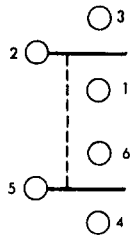
2 is common terminal.

Depending on the switch dash numbers, either terminal 1 or terminal 3 may not be on some switches.

NO. 6 SCREWS



MS35059-( )



2 and 5 are common terminals.

Depending on the switch dash numbers, terminals 6 and 3, or 4 and 1 may not be on some switches.

5370-2-54-42

Figure 4. Items of Equipment Without Terminal Identification (Sheet 11 of 17)

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SWITCHES (CONTINUED)

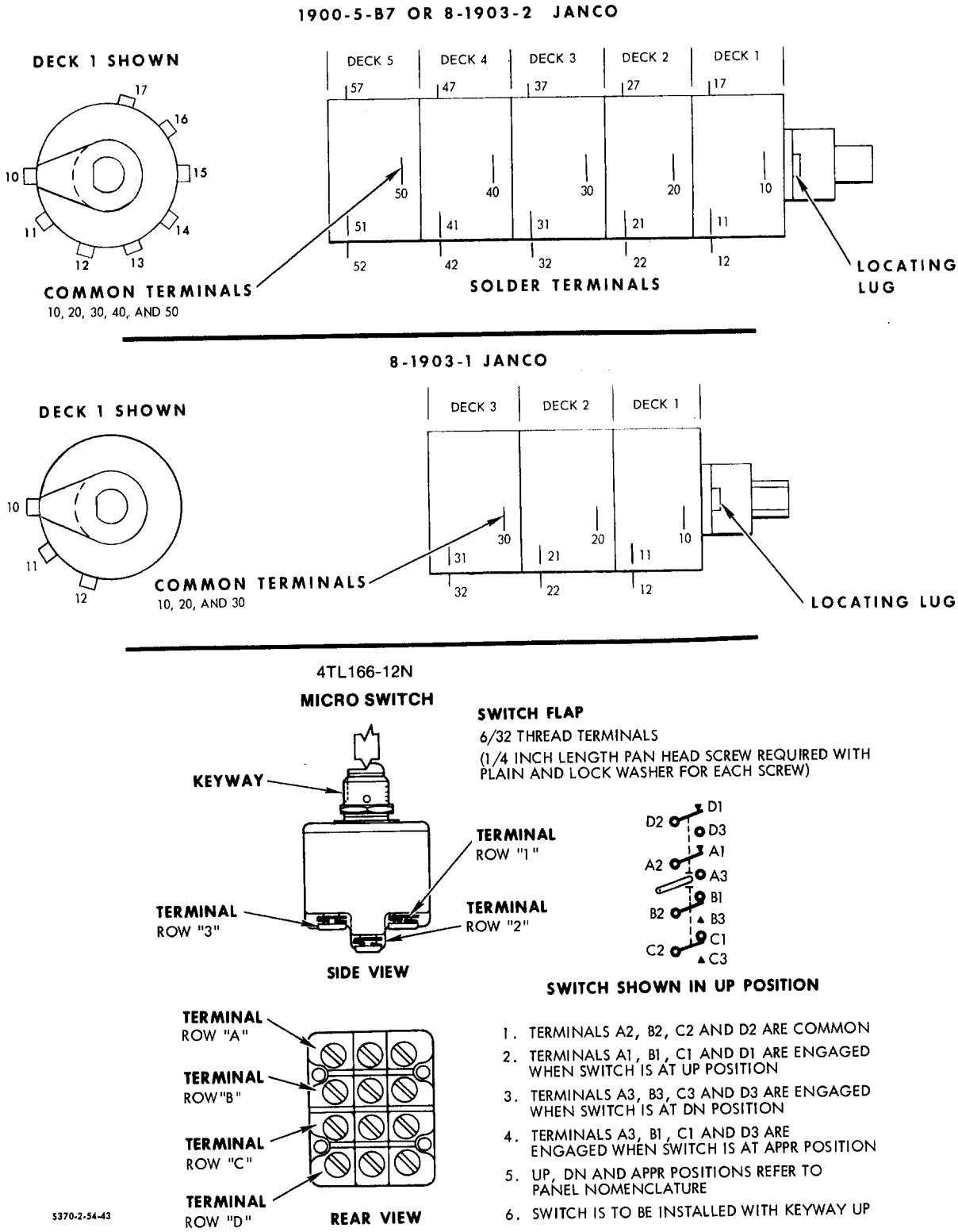
1900-5-B7 OR 8-1903-2 JANCO
DECK 1 SHOWN
DECK 5
DECK 4
DECK 3
DECK 2
DECK 1
COMMON TERMINALS
10, 20, 30, 40, AND 50
SOLDER TERMINALS
LOCATING LUG
8-1903-1 JANCO
DECK 1 SHOWN
DECK 3
DECK 2
DECK 1
COMMON TERMINALS
10, 20, AND 30
LOCATING LUG
4TL166-12N
MICRO SWITCH
SWITCH FLAP
6/32 THREAD TERMINALS
(1/4 INCH LENGTH PAN HEAD SCREW REQUIRED WITH PLAIN AND LOCK WASHER FOR EACH SCREW)
KEYWAY
TERMINAL ROW "1"
TERMINAL ROW "3"
TERMINAL ROW "2"
SIDE VIEW
SWITCH SHOWN IN UP POSITION
TERMINAL ROW "A"
TERMINAL ROW "B"
TERMINAL ROW "C"
TERMINAL ROW "D"
REAR VIEW
1. TERMINALS A2, B2, C2 AND D2 ARE COMMON
2. TERMINALS A1, B1, C1 AND D1 ARE ENGAGED WHEN SWITCH IS AT UP POSITION
3. TERMINALS A3, B3, C3 AND D3 ARE ENGAGED WHEN SWITCH IS AT DN POSITION
4. TERMINALS A3, B1, C1 AND D3 ARE ENGAGED WHEN SWITCH IS AT APPR POSITION
5. UP, DN AND APPR POSITIONS REFER TO PANEL NOMENCLATURE
6. SWITCH IS TO BE INSTALLED WITH KEYWAY UP
5370-2-54-43

Figure 4. Items of Equipment Without Terminal Identification (Sheet 12 of 17)

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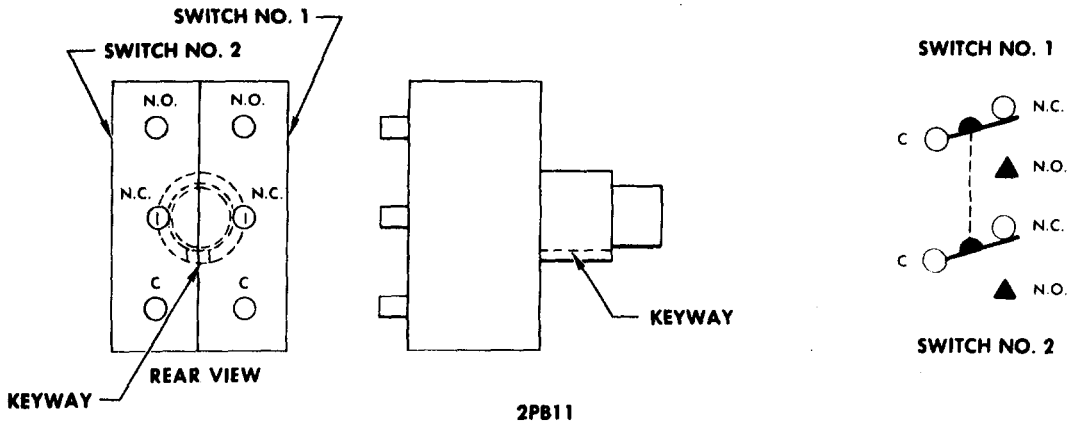
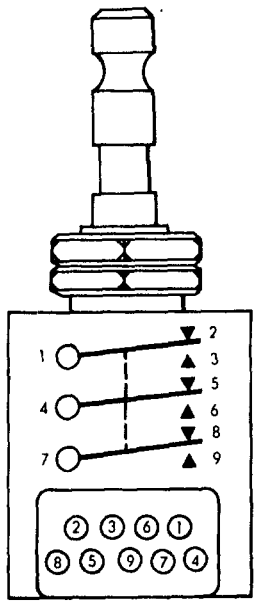
SWITCHES (CONTINUED)

SOLDER TERMINALS



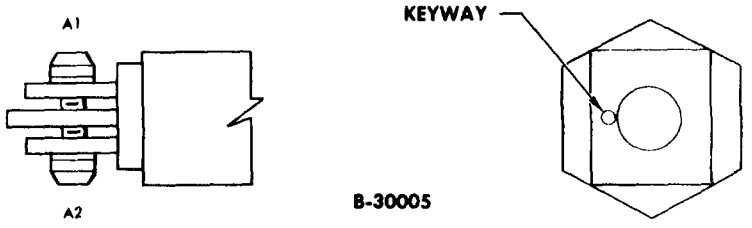
2PB11

MICROSWITCH (PUSH BUTTON)



H11-1091

CONTROLS SWITCH DIVISION
CONTROLS COMPANY OF AMERICA
HERMETICALLY SEALED, ROTARY ACTUATED



B-30005

STANDARD ELECTRICAL PRODUCTS
SWITCH, PUSH-PUSH, SPST

S265-2-54-34

Figure 4. Items of Equipment Without Terminal Identification (Sheet 13 of 17)

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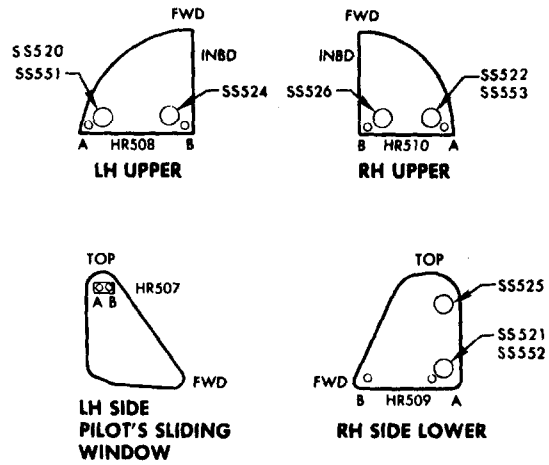
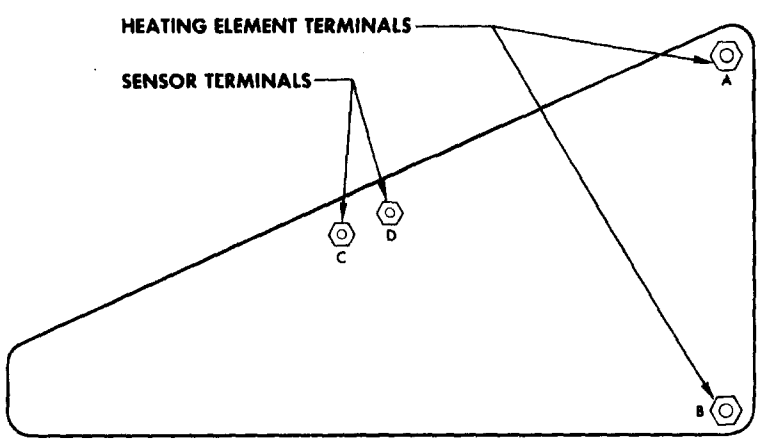
SIDE WINDOWS HEAT ELEMENTS AND TEMP SENSORS



Note: A and B are heater element terminal designations.

WINDSHIELD HEAT ELEMENT & TEMP SENSOR



VIEW LOOKING FWD AND OUTBD, RH SIDE—LH OPPOSITE

SENSOR TERMINALS NO. 6

HEATER TERMINALS NO. 10

NOTE

For windshield electrical hookup see Windshield Anti-Ice Power System 30-40-1

8265-2-54-35

Figure 4. Items of Equipment Without Terminal Identification (Sheet 14 of 17)

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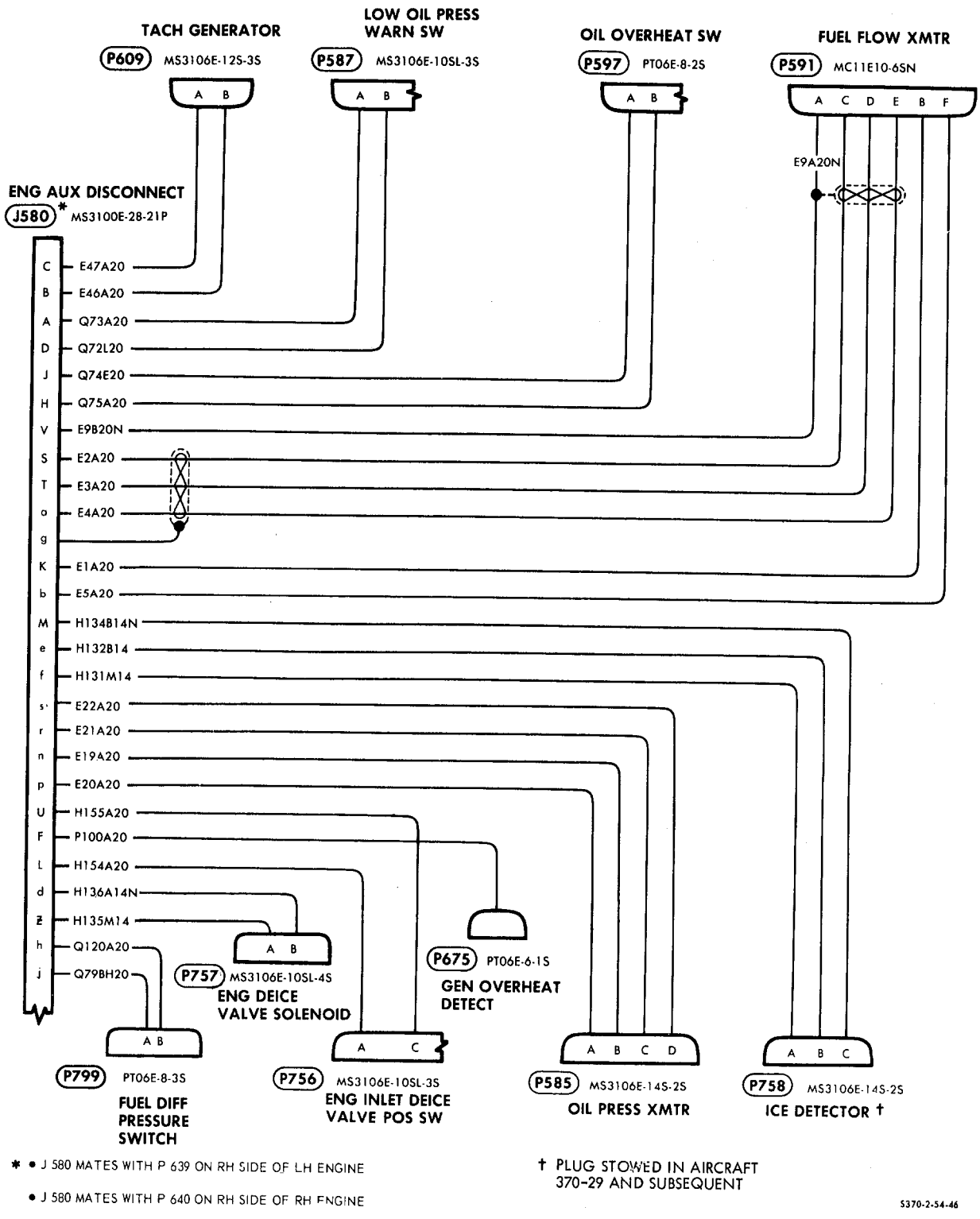

Figure 4. Items of Equipment Without Terminal Identification (Sheet 15 of 17)

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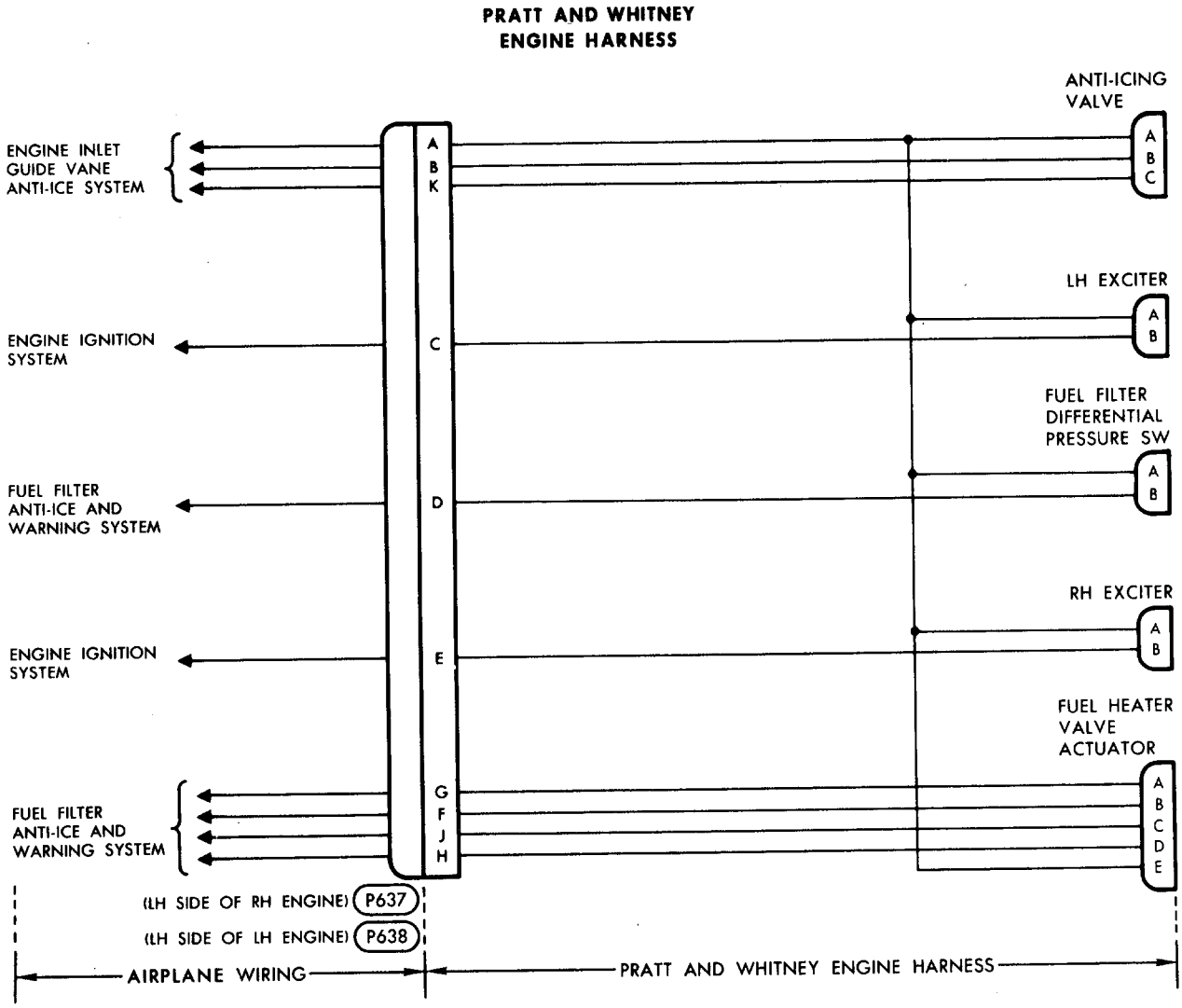

Figure 4. Items of Equipment Without Terminal Identification (Sheet 16 of 17)

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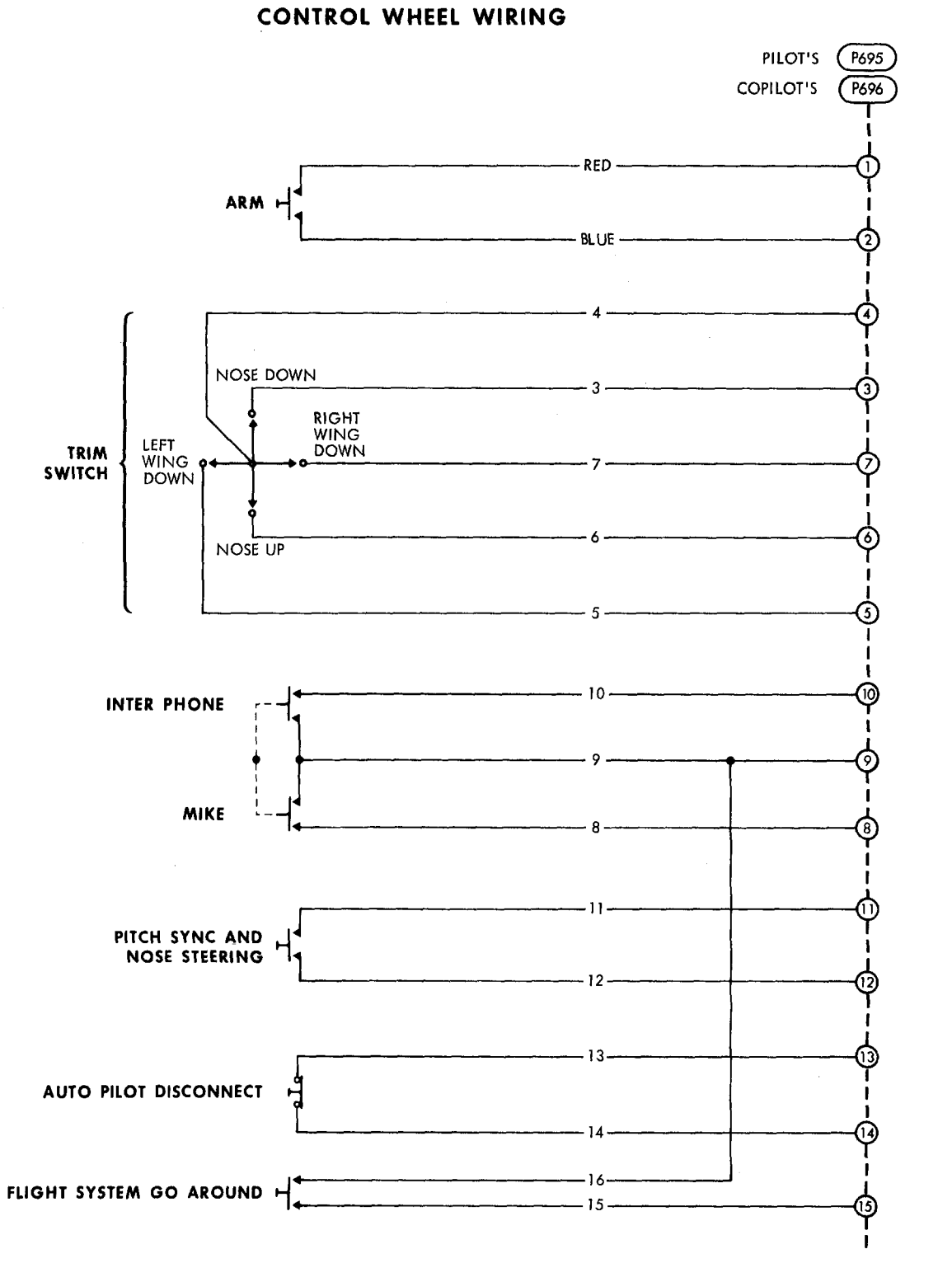

Figure 4. Items of Equipment Without Terminal Identification (Sheet 17 of 17)

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RELAY TERMINAL IDENTIFICATION

The following is a listing of all relays and time delay relays shown on the wiring diagrams in this manual. Included in the listing are the Reference Designator Index number (RDI), the relay terminal number or letter, and the first part of the wire identification code which contains the circuit function letter and a portion of the wire number. Refer to the Circuit Function Letter table in this section to determine the applicability of a circuit function letter to a particular system. Relay terminals that are shown without a wire identification code are unused terminals.

K500

A1	P60
A2	P56
A3	
B1	P81
B2	P80
B3	
C1	
C2	H2
C3	H3
D1	Q83
D2	Q89
D3	Q88
X1	W2
X2	W3

K501

A1	P125
A2	P124
A3	
B1	P138
B2	P137
B3	
C1	
C2	H18
C3	H19
D1	Q99
D2	Q106
D3	Q105
X1	W4
X2	W5

K506

1	W9
1	W9
2	W9
3	W10
4	
5	W15
5	Q96
6	
7	W12
7	W14
8	W14

K507

1	W24
2	W7
3	
4	W26
5	
6	
7	W106
8	

K508

SW	P69
BAT	BUS
BAT	BUS
BAT	BUS
BAT	BUS
GEN	P46
GEN	BUS
GEN	BUS
GEN	P46
NEG	P72
NEG	P72
1ND	C107
1ND	P71

K509

SW	P120
BAT	BUS
BAT	BUS
BAT	BUS
BAT	V22
GEN	P13
GEN	BUS
GEN	BUS
GEN	P130
IND	P122
NEG	P72
NEG	P72
NEG	P72
IND	C112

K510

A1	P35
A1	1P35
A1	2P35
A1	3P35
A2	BUS
A2	BUS
A2	BUS
A2	BUS
A2	P42
A2	P42
A2	P42
A2	P42
A2	P42
X1	P35
X2	P12

K511

G	P94
C	
D	
A1	1P26
A1	2P26
A1	3P26
A1	4P26
A1	5P26
A2	1P29
A3	BUS
B1	BUS
B2	1P30
B3	

ORIGINAL AS
RECEIVED

	K511
Y1	P93
BUS	1P17
BUS	1P17
BUS	2P17
BUS	P17
BUS	1P17
BUS	P17
BUS	1P17

	K512
A1	1P17
A1	1P17
A1	2P17
A2	1P32
A2	2P32
A2	2P32
A2	3P32
A2	1P32
X1	P17
X2	P20

	K513
A1	BUS
A1	BUS
A1	P8
A2	1P16
A2	2P16
A2	3P16
A2	4P16
A2	5P16
A2	6P16
A2	8P16
A2	7P16
A2	100P16
A2	9P16
X1	P8
X2	P27
X2	P27
X2	P27
X2	P27

	K514
SW	P39
SW	P39
BAT	BUS
GEN	BUS
GEN	BUS
GRD	P36
IND	P29
IND	P37
APP	

	K515
A1	
A2	
A3	
B1	P40
B2	P39
B3	
C1	
C2	P159
C3	P93
D1	
D2	
D3	P93
X1	P6
X2	P7

	K516
A1	P2
A2	P1
A3	
B1	P162
B2	P19
B3	
C1	V64
C2	V26
C2	V26
C3	
D1	V46
D2	V45
D2	V2
D3	
X1	P37
X2	P38

	K517
A1	P62
A2	P60
X1	P46
X2	P47

	K518
A1	P133
A2	P125
X1	P130
X2	P109

	K519
A1	P48
A2	P47
A3	P66
A4	P68
A4	P68
X1	P84
X1	P84
X2	P85

	K520
A1	P110
A2	P109
A3	P118
A4	P119
A4	P119
X1	P139
X2	P143

	K521
A1	P57
A2	P62
A3	
B1	P84
B2	P159
B2	P159
B3	
C1	J30
C2	J1
C2	J1
C3	
D1	
D2	P39
D3	P41
X1	P87
X2	P89

	K522
A1	P127
A2	P133
A3	
B1	P139
B2	P159
B3	
C1	J31
C2	J2
C2	J2
C3	
D1	
D2	P41
D3	P40
D3	P40
X1	P140
X2	P142

	K523
1	P84
2	P139
3	P87
4	
5	
6	
7	P144
8	

	K524
1	P139
2	P84
3	P140
4	
5	
6	
7	P86
8	

	K525
A1	P13
A2	P5
A3	
B1	P10
B2	P27
B3	
C1	
C2	P24
C3	P25
D1	P156
D2	P99
D3	1P98

	K525
D3	1P98
E1	P14
E2	P50
E3	
F1	F409
F2	F403
F2	F403
X1	P71
X2	P72

	K526
A1	P13
A1	P13
A2	P5
A2	P5
A3	
B1	P11
B2	P19
B3	
C1	P27
C2	P26
C3	P25
D1	
D2	2P98
D2	2P98
D3	P156
E1	P2
E2	P14
E3	
F1	F409
F1	F409
F2	F403
F3	
X1	P122
X2	P72

	K529
1	
2	P87
3	P77
4	P77
5	P82
6	P81
7	P88
8	

	K530
1	
2	P140
3	P134
4	C114
5	P154
6	P138
7	P141
8	

	K531
A1	C36
A1	C63
A1	C36
A2	C33
A2	C37
X1	C32
X1	C32
X2	C33

	K532
A1	C97
A1	C63
A1	C97
A2	C29
A2	C98
X1	C28
X1	C28
X1	C28
X2	C29

	K534
A1	C54
A1	C54
A2	C56
A3	
B1	
B2	
B3	
C1	C32
C2	C7
C3	
D1	C28
D2	C7
D2	C7
D3	
X1	C200
X2	C7
X2	C7
X2	C7

	K535
A1	C51
A2	C50
A3	C10
B1	C39
B2	C38
B3	C11
C1	
C2	
C3	
D1	
D2	
D3	
X1	C18
X2	C23

	K536
A1	C54
A2	C207
A3	
B1	
B2	
B3	
C1	C22
C2	C17
C3	C16
D1	C21
D2	C15
D3	C14
X1	C18
X1	C18
X2	C20

	K538
L1	C58
L1	C58
L2	
L3	C67
L3	C67
T1	C57
T1	C57
T2	
T3	C66
X1	C12
X1	C12
X2	C126

	K540
L1	C59
L2	
L3	C68
T1	C57
T2	
T3	C66
T3	C66
X1	C13
X1	C13
X2	C49

	K546
C	P68
D	P69
K	P59
M	P50
N	P49
P	P48
R	P51
B+	P57
B+	P57
G+	P60
G+	P60
G+	P60

	K547
C	P119
D	P120
K	P128
M	P112
N	P111
P	P110
R	P113
B+	P127
B+	P127
G+	P125
G+	P125
G+	P125

	K548
G	P161
P	P56
P	P56
T	P60
S+	P68
Y1	P55
Y2	P54

	K549
G	P161
P	P124
P	P124
T	P125
S+	P119
Y1	P117
Y2	P116

	K551
A1	W71
A2	W170
A3	W168

	K551
B1	W71
B1	W71
B2	W172
B3	W180
C1	
C2	
C3	
D1	
D2	
D3	
X1	W88
X1	W88
X2	W87

	K552
A1	
A2	1P47
A2	2P47
A3	1P63
A3	2P63
B1	
B2	
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	P78
X2	P79

	K553
A1	
A2	1P109
A2	2P109
A3	1P108
A3	2P108
B1	
B2	
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	P135
X2	P136

	K555
1	Q43
2	Q45
3	
4	Q47
4	Q47
5	
6	
7	W15
7	Q46
8	

	K556
B	1P26
B	2P26
B	3P26
B	4P26
B	5P26
B	BUS
B	BUS
C	P82
D	P160
L	BUS
L	BUS
M	1P76
M	2P76
M	3P76
M	4P76
M	5P76
M	6P76
R	P43
R	P43
S	P90

	K556
V	P44
V	P44
GRD	P101

	K557
B	BUS
B	BUS
B	BUS
B	BUS
C	P154
D	P146
L	BUS
L	BUS
M	11P76
M	12P76
M	13P76
M	14P76
M	15P76
M	16P76
R	P43
S	P145
V	P44
GRD	P155

	K559
1	Q39
2	Q54
3	
4	Q50
4	Q50
5	
7	Q46
7	Q55
8	

	K560
1	Q33
1	Q33
2	Q56
3	Q70
4	
5	Q161
6	
7	Q57
7	Q59
8	Q162

	K561
1	Q33
2	Q58
3	Q71
4	
5	Q161
6	
7	Q59
7	Q64
8	Q164

	K562
A1	
A2	Q27
A3	Q26
B1	Q18
B2	Q140
B3	Q15
C1	Q7
C2	Q125
C3	Q10
D1	Q20
D2	Q161
D2	Q161
D3	
X1	Q61
X2	Q123
X2	Q62

	K563
1	Q69
2	Q63
3	Q26
4	
5	
6	
7	Q64
7	Q75
8	

	K564
A1	Q3
A2	Q171
A3	Q3
A3	Q3
A4	Q4
X1	Q16
X2	Q17

	K565
1	Q18
2	Q15
3	
4	Q19
5	Q6
6	
7	Q96
7	Q97
8	Q7

	K566
A1	Q1
A2	Q169
A3	Q1
A3	Q1
A4	Q2
X1	Q8
X2	Q17
X2	Q9

	K567
1	Q5
2	Q10
3	
4	Q6
5	Q19
6	
7	Q97
7	Q80
8	Q13

	K568
A1	P31
A1	P31
A1	P31
A2	P150
A2	P150
X1	P2
X1	P2
X2	P3

	K569
1	Q77
1	Q77
2	Q34
3	Q71
4	Q70
5	
6	

	K569
7	Q75
7	Q68
8	

	K570
1	Q77
2	Q25
3	Q69
4	Q27
5	
6	
7	Q68
7	W102
8	

	K578
1	D71
1	D71
2	D63
2	D63
3	
4	D73
5	D76
6	
7	D76
7	D76
8	D80
8	D94

	K579
1	D47
2	D49
2	D49
3	
4	D70
4	D70
5	
6	
7	D71
8	

	K580
A1	
A2	D70
A3	D72
B1	
B2	RZ33
B3	D68
C1	

	K580
C2	
C3	D67
D1	
D2	
D3	D66
E1	D65
E2	D49
E3	
F1	
F2	
F3	
X1	D65
X1	D65
X2	D81

	K581
A1	W55
A1	W55
A2	D85
A3	D59
B1	W55
B1	W55
B2	W103
B3	W97
C1	W55
C1	W55
C2	W104
C3	W98
D1	W55
D1	W55
D2	G126
D3	G122
D3	G122
E1	W55L
E1	W55
E2	W82
E3	W81
F1	W196
F1	W196
F2	G123
F3	G122
X1	W93
X2	W94

K582	
A1	
A2	D85
A2	D85
A3	D60
B1	
B2	W103
B2	W103
B3	W100
B3	W100
C1	
C2	W104
C2	W104
C3	W101
C3	W101
D1	
D2	G126
D2	G126
D3	G127
D3	G127
E1	
E2	W82
E2	W82
E3	W83
E3	W83
F1	
F2	G123
F2	G123
F3	G124
F3	G124
X1	W56
X1	W56
X2	W94

K583	
1	C117
1	C117
2	C117
3	
4	C118
5	
6	
7	C119
8	

K584	
1	Q92
1	Q92
2	Q83
3	Q93
4	Q95
5	
6	
7	Q84
7	Q100
8	

K585	
1	Q92
2	Q99
3	Q110
4	Q109
5	
6	
7	Q100
7	Q86
8	

K586	
1	Q95
2	Q85
3	Q94
4	
5	
6	
7	Q86
7	Q102
8	

K587	
1	Q109
2	Q103
3	Q94
3	Q94
4	
5	
6	
7	Q102
7	Q91
8	

K588	
1	Q93
2	Q90
3	Q94
3	Q94
4	
5	
6	
7	Q91
7	Q108
8	

K589	
1	Q110
2	Q107
3	Q94
3	Q94
4	
5	
6	
7	Q108
8	

K596	
A1	1H114
A1	1H114
A2	1H115
A3	
A4	
X1	H124
X2	H86

K597	
A1	1H114
A2	1H117
A3	1H122
A4	1H117
A4	1H117
X1	H118
X2	H86
X2	H86

	K600
A1	X18
A2	X33
A3	X1
B1	X18
B2	X33
B3	X1
C1	X26
C2	X31
C3	X3
D1	
D2	V20
D3	V5
X1	V18
X2	V31

	K602
A	X61
B	W66
+	V32

	K603
A1	H5
A2	H31
A2	
A2	
A3	
B1	
B2	H152
B2	
B2	
B2	H31
B3	
C1	H42
C2	H257
C3	
D1	G3
D2	G2
D3	
E1	
E2	
E3	
F1	
F2	
F3	
X1	H80
X2	H161

	K607
A1	G7
A1	G7
A2	G31
A2	G31
A3	
B1	
B2	G4
B3	G5
X1	G3
X2	G6

	K609
A1	W55
A1	W55
A2	D86
A3	D56
B1	W55
B1	W55
B2	D87
B3	D53
C1	W55
C1	W55
C2	W84
C3	W125
D1	W55
D1	W196
D2	1D122
D3	1D121
E1	W55
E1	W55
E2	1D131
E3	1D130
F1	W55
F1	W55
F2	D88
F3	D50
X1	W93
X1	W93
X2	W94
X2	W94

	K610
A1	
A2	D86
A2	D86
A3	D57
B1	
B2	D87
B2	D87
B3	D54

	K610
C1	
C2	W84
C2	W84
C3	W57
D1	
D2	
D3	
E1	
E2	
E3	
F1	
F2	D88
F2	D88
F3	D51
X1	W56
X1	W56
X2	W94

	K611
1	H71
1	H71
2	H71
2	H71
3	
4	H72
5	
6	
7	H77
8	

	K612
1	H73
1	H73
2	H60
3	H74
3	H76
4	
5	
6	
7	H61
8	

	K613
1	H75
1	H75
2	H78
3	
4	H76
5	
6	
7	H79
8	

	K614
1	H73
2	H66
3	H74
4	
5	
6	
7	H67
8	

	K615
1	H75
2	H69
3	
4	H74
4	H74
5	
6	
7	H70
8	

	K618
A1	H124
A2	H123
A3	H118
B1	
B2	
B3	
C1	
C2	
C3	
D1	H199
D2	H198
D3	
E1	
E2	G88
E3	G118
F1	W262
F2	W263

	K618
F3	P27
X1	D116
X2	D89

	K622
A1	W55
A1	W55
A2	2D122
A3	2D121
B1	W55
B1	W55
B2	2D131
B3	2D130
C1	W196
C2	1D140
C3	1D139
D1	W55L
D1	W55L
D2	
D3	
E1	W55L
E1	W55L
E2	
E3	
F1	W55L
F1	W55L
F2	2D14
F3	2D139
X1	W93
X1	W93
X2	W94
X2	W22

	K623
A1	
A2	
A3	
B1	
B2	
B3	
C1	
C2	W91
C3	W102
C3	W94
D1	
D2	
D3	
E1	
E2	

	K623
E3	
F1	
F2	
F3	
X1	W56
X1	W56
X2	W94
X2	W94

	K624
A1	D116
A1	D116
A2	D63
A3	
B1	H254
B2	H10
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	D115
X2	D117

	K626
1	G7
2	G29
3	
4	G31
5	
6	
7	G5
7	G5
8	

	K630
1	1P98
2	1P98
2	1P98
3	
4	1P158
5	
6	
7	1P100
8	

	K631
1	2P98
2	2P98
2	2P98
3	
4	2P158
5	
6	
7	2P100
8	

	K632
A1	W19
A1	W19
A2	W8
A3	
B1	W19
B2	W9
B3	
C1	L41
C1	L41
C2	L42
C3	
D1	W24
D2	W25
D3	
X1	W20
X2	W109

	K640
A1	H102
A1	H102
A2	H33
A3	H254
B1	H104
B1	H104
B2	H28
B3	H105
C1	H103
C2	H33
C3	H102
D1	H8
D2	H28
D3	H104
X1	H8
X1	H8
X2	H17

	K641
A1	V43
A2	V42
X1	V39
X2	V40

	K645
A1	M12
A2	M13
A2	M13
X1	M16
X1	M16
X2	M17

	K646
A	X1
B	W111
+	V1
+	V1

	K647
A1	
A2	
A3	
B1	V46
B2	V2
B2	V2
B3	
C1	V4
C2	V3
C3	
D1	
D2	
D3	
X1	C107
X1	C107
X2	W120
X2	W120

	K648
A1	
A2	
A3	
B1	V46
B1	V46
B2	V2
B3	
C1	V5
C2	V4
C3	
D1	
D2	
D3	
X1	C112
X1	C112
X2	W121
X2	W121

	K649
A1	
A2	H155
A3	H156
B1	
B2	H157
B3	H158
C1	
C2	
C3	
D1	
D2	
D3	
X1	H195
X2	H188

	K650
1	H11
2	H80
3	
4	H8
5	
6	H37
7	H189
8	H36

	K657
1	
2	C136
2	C136
3	
4	
5	C35
7	C146
8	C32
8	C32

	K658
1	
2	C136
3	
4	
5	C31
6	
7	C147
8	C28

	K660
1	M15
2	M24
2	M24
3	
4	M22
5	M24
6	M26
7	M23
8	M21
8	M21

	K661
1	M21
1	M21
2	M25
2	M25
3	
4	M24
5	M25
7	M23
8	M21

	K662
C1	
C1	M29
C2	
C3	M25
C3	M25
L1	M12
T1	P42
T1	P42
T1	P42
COM	M27

	K663
A1	
A2	Q125
A3	Q141
B1	
B2	Q140
B3	Q126
C1	Q25
C2	Q23
C3	Q129
D1	
D2	
D3	
X1	Q47
X2	W109
X2	Q122

	K664
A1	
A2	Q141
A3	Q8
B1	
B2	Q126
B3	Q16
C1	Q25
C1	Q25
C2	Q129
C3	Q124
D1	
D2	
D3	
X1	Q50
X2	Q123
X2	Q122

	K665
1	M15
2	M45
3	M22
4	M27
5	
6	
7	M46
8	

	K668
A1	Q25
A2	Q124
A3	Q143
B1	Q18
B2	Q13
B3	
C1	Q166
C2	Q21
C3	
D1	
D2	
D3	
X1	Q130
X2	Q135

	K669
A1	Q25
A1	Q25
A2	Q143
A3	Q142
B1	Q7
B2	Q5
B3	
C1	Q168
C2	Q21
C3	
D1	
D2	
D3	
X1	Q132
X2	Q135

	K670
A1	Q25
A1	Q25
A2	Q142
A3	Q28
B1	Q34
B2	Q127
B3	Q32
C1	
C2	
C3	
D1	
D2	
D3	
X1	Q134
X2	Q135

	K678
1	P19
1	P19
2	D63
3	D64
3	P158
4	
5	W303
6	
7	D64
8	W306

	K679
1	
2	W4
3	
4	
5	
6	H197
7	W22
7	P158
8	H196

	K680
A1	
A2	Q40
A3	Q40
B1	
B2	Q36
B3	Q36
C1	
C2	
C3	
D1	
D2	
D3	
X1	Q151
X2	Q150

	K690
1	W39
2	W88
3	
4	W38
5	
6	
7	W40
8	

	K692
1	H31
2	1H204
3	1H200
4	1H201
5	
6	
7	1H154
8	

	K693
1	1H204
2	1H135
2	1H135
3	1H137
4	1H135
5	
6	
7	1H205
8	

	K694
1	H31
1	H31
2	2H204
3	2H200
4	2H201
5	
6	
7	2H154
8	

	K695
1	2H204
2	2H135
2	2H135
3	2H137
4	2H135
5	
6	
7	1H205
7	2H205
8	

	K696
1	1H203
2	1H204
2	1H204
3	1H200
4	1H201

	K696
5	
6	
7	1H206
8	

	K697
1	2H203
2	2H204
2	2H204
3	2H200
4	2H201
5	
6	
7	2H206
8	

	K706
A1	W201
A1	W201
A2	W241
A3	
B1	W254
B1	W254
B2	W240
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	F404
X2	W207

	K707
1	
2	G91
3	G91
4	G90
5	G88
6	G88
7	G93
8	

	K708
1	
2	G100
3	
4	G92
5	
6	G91
7	G102
8	

	K709
1	
2	G83
3	G88
4	G83
5	G80
6	G119
7	G93
8	

	K710
1	
2	G104
3	
4	G88
5	
6	G92
7	G102
8	

	K711
1	
2	G96
3	G86
4	G94
5	G83
6	G119
7	G97
8	

	K712
1	
2	G98
3	G84
4	G83
5	G83
6	G94
7	G97
8	

	K713
A1	G99
A2	G12
A3	G98
B1	G101
B2	G10
B3	G97
C1	G103
C2	G11
C3	G96
D1	G160
D2	G120
D3	G106
X1	G88
X2	G89
X2	G89

	K714
A1	
A2	G99
A3	G100
B1	
B2	G101
B3	G102
C1	
C2	G103
C3	G104
D1	
D2	G160
D3	G117
X1	G90
X2	G89

	K717
L1	C205
L2	C204
L2	C204
L3	C203
L3	C203
T1	C97
T1	C36
T2	C59
T2	C59
T3	C68
T3	C68
X1	C52
X1	C52
X2	C4
X2	C4

	K718
L1	C202
L2	C58
L3	C67
T1	C36
T1	C36
T2	C204
T3	C203
X1	C40
X1	C40
X2	C4

	K719
A1	E68
A2	E66
A3	
B1	E69
B2	E67
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	F404
X2	E70

	K725
1	M36
2	C121
3	M70
4	
5	
6	
7	C220
8	

	K726
1	M70
2	C123
3	M71
4	
5	
6	
7	C220
8	

	K728
A1	W204
A2	W260C18
A3	W254
B1	
B2	P13
B3	P2
C1	W206
C2	W200
C3	W201
D1	
D2	F409
D3	F423
X1	H80
X2	W205

	K729
1	M47
2	M30
3	M48
4	
5	
6	
7	M50
8	

	K1002
A1	L45
A2	L48
A2	L48
A3	L46
B1	W277
B2	W211
B3	
C1	L77
C2	L52
C2	L52
C3	L57
D1	
D2	
D3	
X1	L56
X2	L31

	K1003
A	X33
B	X60
+	V27
-	V34

	K1004
A	X27
B	X59
+	V1
-	V51

	K1006
A1	P173
A2	P172
X1	V11
X2	V35

	K1008
A1	X58
A2	X61
A3	X33
B1	X62
B2	X63
B3	X31
C1	J
C2	V11
C3	
D1	
D2	V13
D3	V8
D3	
X1	V34
X1	
X2	V36

	K1009
A1	H95
A2	H96
X1	H42
X2	H178

	K1020
1	W212
2	W174
2	W174
3	W175
4	W174
5	
6	
7	W273
8	

	K1021
A1	F403
A1	F403
A2	F404
A2	F404
B1	F418
B1	F418
B2	F419
B2	F419
C1	F416
C1	F415
C1	F415
C2	F416
C2	F416
C2	F416
X1	F423
X2	F424

	K1022
A1	V64
A2	V26
A2	V26
A3	
B1	P19
B2	P28
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	C107
X2	W120

	K1023
A1	V64
A1	V64
A2	V26
A3	
B1	
B2	
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	C112
X2	W121

	K1027
A1	H311
A2	H310
A3	
B1	H311
B2	H310
B2	H310
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	H312
X2	H313
1S	H312
1S	H312

	K1028
1	J30
2	J10
3	
4	
5	J5
6	
7	
8	
9	
10	J21
11	
12	
13	J1
14	J1
14	J1

	K1029
1	J31
2	J11
3	
4	
5	J6
6	
7	
8	
9	
10	J23
11	
12	
13	J2
13	J2
14	J2

	K1030
A1	J11
A2	J2
A3	
B1	J6
B2	J2
B2	J2
B3	
C1	J5
C2	J1
C3	
D1	J1
D2	J1
D2	J1
D3	
X1	W209
X2	J24A20N

	K1032
A1	
A2	G20
A3	G61
B1	
B2	
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	G74
X2	G72

	K1033
A1	G24
A2	
A3	
B1	G75
B2	
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	G71
X2	G72

	K1035
1	V3
2	P29
3	
4	V5
5	P27
6	
7	P30
8	P30

	K1040
A1	
A2	H85
A3	H84
B1	
B2	
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	H82
X2	H83

	K1041
A1	1P17
A2	1P35
A2	2P35
A2	3P35
X1	P17
X2	P12

	K1042
1	G4
1	G4
2	G42
3	
4	G5
4	G5
5	G43
6	
7	G43
8	F651

	K1043
1	G4
2	G44
3	
4	G5
5	G45
6	
7	G45
8	F938

	K1044
1	H71
1	H71
2	H71
3	
4	H91
5	
6	
7	H77
8	

	K1061
1	F404
2	F416
2	F416
4	F403
7	F421

	K1217
A1	V64
A1	V64
A2	V10
A3	V5
A3	V5
B1	V64
B2	V18
B3	
C1	V3
C1	V3
C2	V8
C2	V8
C3	
D1	H172
D1	H172
D2	H179
D3	H176
E1	
E2	H190
E3	
F1	H166
F1	H166

	K1217
F2	H191
F3	
F3	H163
X1	V19
X2	V28
X2	V28D20

	K1218
A1	V15
A2	V16
A3	
B1	
B2	
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	V12
X2	V10

	K1219
A1	X65
A1	X65
A2	X27
A3	X18
B1	X85
B2	X28
B3	X18
C1	X66
C1	X66
C2	X29
C2	X29
C3	X84
D1	
D2	X30
D2	X86
D3	X26
D3	X26
X1	V21
X2	V20

	K1220
A1	X67
A1	X67
A2	X24
A3	X58
B1	X83
B2	X23
B3	X58
B3	X58
C1	X68
C1	X68
C2	X22
C3	X82
D1	X81
D2	X21
D3	X62
D3	X62
X1	V14
X2	V13

	K1221
A1	X69
A2	X65
A3	
B1	X70
B2	X66
B3	
C1	
C2	X71
C3	X73
D1	
D2	X72
D3	X74
X1	H171
X2	H176

	K1222
A1	H269
A2	H150
A2	H150
A3	H266
B1	H112
B2	H114
B3	H113
C1	X71
C2	X67
C3	
D1	X72
D2	X68
D3	
X1	H173
X2	H172

	K1223
A1	X75
A2	X65
A3	
B1	X76
B2	X66
B3	
C1	
C2	X77
C3	X79
D1	
D2	X78
D3	X80
X1	H164
X2	H163

	K1224
A1	H278
A2	H150
A3	H275
B1	H131
B2	H133
B3	H132
C1	X77
C2	X67
C3	
D1	X78
D2	X68
D3	
X1	H167
X2	H166

	K1225
C1	V17
C2	
C3	V16
L1	V22
L2	
T1	V23
T2	

	K1226
A1	Q164
A2	Q167
A3	
B1	
B2	Q165
B3	Q164
B3	Q164
C1	
C2	Q21
C3	
D1	
D2	
D3	
E1	
E2	
E3	
F1	
F2	
F3	
X1	
X2	

	K1226
	Q163

	K1227
	Q169
	Q170
A1	Q165
A2	Q166
A3	
B1	
B2	Q168
B3	Q167
C1	
C2	Q163
C3	Q162
D1	
D2	
D3	
E1	
E2	
E3	
F1	
F2	
F3	
X1	Q171
X2	Q172

	K1228
A1	V8
A2	V38
A2	V38
A3	V3
A3	V3
B1	H172
B1	H172
B2	H175
B3	H179
C1	
C2	H190
C3	H162
D1	H166
D1	H166

	K1228
D2	H165
D3	H191
X1	V51
X2	V47

	K1229
1	V52
2	V54
3	V5
4	
5	
6	V38
6	V38
7	V55
8	V3

	K1236
A1	
A2	H113
A3	H271
B1	H272
B2	H273
B3	
C1	H269
C2	H267
C3	H266
D1	H111
D2	H274
D3	
X1	H172
X2	H270

	K1237
A1	
A2	H132
A3	H280
B1	H282
B2	H283
B3	
C1	H278
C2	H276
C3	H275
D1	H130
D2	H284
D3	
X1	H166
X2	H279

	K1238
1	H150
2	H267
3	H136
4	
5	
6	
7	H268
8	

	K1239
1	H150
2	H276
3	H138
4	
5	
6	
7	H277
8	

	K1240
A1	
A2	
A3	
B1	
B2	1D128
B3	1D127
C1	
C2	
C3	
D1	
D2	2D128
D3	2D127
X1	D56
X2	K18
X2	K18

	K1241
A1	1K5
A2	1K7
A3	
B1	1K12
B2	1K10
B3	
C1	1K2
C2	1K19
C3	
D1	D120
D1	D120

	K1241
D2	1D121
D2	1D121
D3	
X1	1K5
X2	1K11
X2	1K11

	K1242
A1	2K5
A2	2K7
A3	
B1	2K12
B2	2K10
B3	
C1	2K2
C2	2K19
C3	
D1	D120
D1	D120
D2	2D121
D2	2D121
D3	
X1	2K5
X1	2K5
X2	2K11

	K1245
A1	1K23
A2	1K36
A3	
B1	
B2	
B3	
C1	
C2	
C3	
D1	1K22
D2	1K19
D3	
X1	1K31
X2	1K21
X2	1K21

	K1246
A1	2K23
A2	2K36
A3	
B1	
B2	
B3	
C1	
C2	
C3	
D1	2K22
D2	2K19
D3	
X1	2K31
X2	2K21
X2	2K21

	K1247
A1	1K20
A1	1K20
A2	1K26
A3	
B1	
B2	
B3	
C1	1K24
C2	
C3	
D1	
D2	1K27
D3	1K31
X1	1K29
X2	1K21

	K1248
A1	2K20
A1	2K20
A2	2K26
A3	
B1	
B2	
B3	
C1	2K24
C2	
C3	
D1	
D2	2K27
D3	2K31
X1	2K29
X2	2K21

	K1249
A1	1K12
A2	1K13
A2	1K13
A3	
B1	
B2	1D125
B3	1D121
B3	1D121
C1	2K12
C2	2K13
C2	2K13
C3	
D1	
D2	2D125
D3	2D121
D3	2D121
X1	D50
X1	D50
X2	K18
X2	K18

	K1250
A1	1K2
A2	1K3
A3	
B1	
B2	1D133
B3	1D130
C1	2K2
C2	2K3
C3	
D1	
D2	2D133
D3	2D130
X1	D56
X1	D56
X2	K18

	K1251
A1	
A2	1K2
A2	1K2
A3	
A3	1K1
B1	
B2	1K37
B3	
C1	
C2	
C3	

	K1251
D1	
D2	
D3	
X1	P78
X2	K18
X2	K18

	K1252
A1	
A2	2K2
A2	2K2
A3	
A3	2K1
B1	
B2	2K37
B3	
C1	
C2	
C3	
D1	
D2	
D3	
X1	P135
X2	K18
X2	K18

	K1253
A1	
A2	W98
A3	1D126
B1	
B1	1D142
B2	D136
B3	
C1	
C2	
C3	
D1	
D2	
D3	
E1	
E2	W97
E3	1D129
F1	
F2	
F3	
X1	1D128
X2	

	K1254
A1	
A2	W98
A2	W98
A3	2D126
B1	
B1	2D142
B2	D136
B2	D136
B3	
C1	
C2	
C3	
D1	
D2	
D3	
E1	
E2	W97
E2	W97
E3	2D129
F1	
F2	
F3	
X1	2D12
X2	

	K1255
A1	
A2	W98
A2	W98
A3	1D134
B1	
B1	1D143
B2	D136
B2	D136
B3	
C1	
C2	
C3	
D1	
D2	
D3	
E1	
E2	W97
E2	W97
E3	1D135
X1	1D133
X2	

	K1256
A1	
A2	W98
A2	W98
A3	2D134
B1	
B1	2D143
B2	D136
B2	D136
B3	
C1	
C2	
C3	
D1	
D2	
D3	
E1	
E2	W97
E2	W97
E3	2D135
X1	2D133
X2	

	K1257
A1	
A2	2D123
A2	2D122
A2	2D122
A2	2D123
A3	
B1	
B2	2D131
B2	2D131
B3	2D132
B3	2D132
C1	
C2	1D140
C2	1D140
C3	1D141
C3	1D141
D1	
D2	1D122
D2	1D122
D3	1D123
D3	1D123
E1	
E2	1D131
E2	1D131
E3	1D132
E3	1D132
F1	
F2	
F2	
F3	
F3	
X1	
X2	

	K1257
F2	2D140
F2	2D140
F3	2D141
F3	2D141
X1	W56
X2	W94

	K1258
A1	
A2	
A3	
B1	D120
B2	2D127
B3	
C1	2K37
C2	2K33
C3	
D1	D120
D2	2D121
D3	
X1	2K5
X1	2K5
X2	2K11

	K1259
A1	
A2	
A3	
B1	D120
B2	1D127
B3	
C1	1K37
C2	1K33
C3	
D1	D120
D2	1D121
D3	
X1	1K5
X1	1K5
X2	1K11

	K1261
A1	1K36
A2	1K13
A2	
A3	
B1	1K35
B2	
B3	
C1	2K35
C2	
C3	
D1	2K36
D2	2K13
D2	
D3	
X1	D50
X2	K18

	K1267
1	1K25
1	1K25
2	
3	1K28
4	
5	1D130
6	
7	1K30
7	1K30
8	
8	1D137

	K1268
1	2K25
1	2K25
2	
3	2K28
4	
5	2D130
6	
7	2K30
7	2K30
8	
8	2D137

	K1269
1	1K25
2	
3	1K29
4	1K28
4	
5	
6	1K20
7	1K30
8	1K27

	K1270
1	2K25
2	
3	2K29
4	2K28
4	
5	
6	2K20
7	2K30
8	2K27

TIME DELAY RELAYS

	TM500
1	M1
2	M26
3	M60
4	M25
5	
6	
7	
8	M31

	TM501
1	V52
1	V52
2	V52
3	
4	
5	V38
5	
6	
7	V54
8	V53

	TM502
1	G74
2	G72
3	
4	
5	W41
6	D47
7	
8	
9	
10	

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Engine Fire Detector System	All	26-10-1	2
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Engine Ignition System	All	74-10-1	2
Engine Inlet Guide Vane Anti-ice System	All	75-10-1	2
Engine Pressure Ratio System	All	77-10-3	2
Engine, Radio, and Instrument Floodlights System	All	33-10-4	2
Engine, Radio, and Instrument Indirect Light System	All	33-10-2	2
Engine Starting System	All	80-20-1	1
Engine Thrust Reverser Control System Not Changed by S/B 74-8	S/N 370-2 thru -6, -8 & -9	78-30-1	1
LH Engine Thrust Reverser Control System — Modified by S/B 74-8	S/N 370-2 thru -6, -8 & -9	78-30-2	1
RH Engine Thrust Reverser Control System — Modified by S/B 74-8	S/N 370-2 thru -6, -8 & -9	78-30-2	7
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Hydraulic Pressure Indicating System — Normal and Auxiliary	All	29-30-1	1
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CHAPTER

20

STANDARD PRACTICES (AIRFRAME)

CHAPTER 20

STANDARD ELECTRICAL PRACTICES

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STANDARD ELECTRICAL PRACTICES - DESCRIPTION

1. General

The purpose of this chapter is to acquaint maintenance personnel with the standard electrical practices used when performing maintenance on the various electrical items installed in the aircraft. No attempt is made to cover all electrical maintenance practices; therefore, only the more common items are covered.

2. Bonding

A. Observe the following precautions when installing bonding jumpers:

(1) Bonding connections should be made so that vibration, expansion, contraction, or normal movement of parts will not loosen or break the connection.

(2) As far as possible, install bonding jumpers in protected areas and in places where they can be reached for inspection and replacement.

(3) Install bonding jumpers so that they do not interfere with movable parts.

(4) Bonding clamps installed on flexible metallic conduit or on hose should not crimp or damage the conduit or hose.

(5) When bonding jumpers or clamps are replaced, the jumper or clamp and the washers, nuts, or screws to be installed should be of the same material as those removed. The material in the original installation was selected to minimize the corrosion that results from joining dissimilar metals, or if corrosion could not be prevented, to make sure that replaceable items (not the airplane structure) would corrode.

(6) Ensure that attaching points for bonding are clean (paint removed). Refinish area after attaching bonding.

(7) Control surfaces and flaps should have a bonding jumper across each hinge. There should not be less than two jumpers; however, only one bond jumper need be installed across the hinge on the aileron and rudder trim tab. "Piano" type hinges are considered one hinge.

3. Wire Stripping

A. Wire stripping is done on all wire sizes between No. 22 and No. 10 with approved wire strippers (figure 20-00-1) or other means. The following precautions help prevent nicking wire strands:

(1) Accurately measure length of wire to be stripped by lug used.

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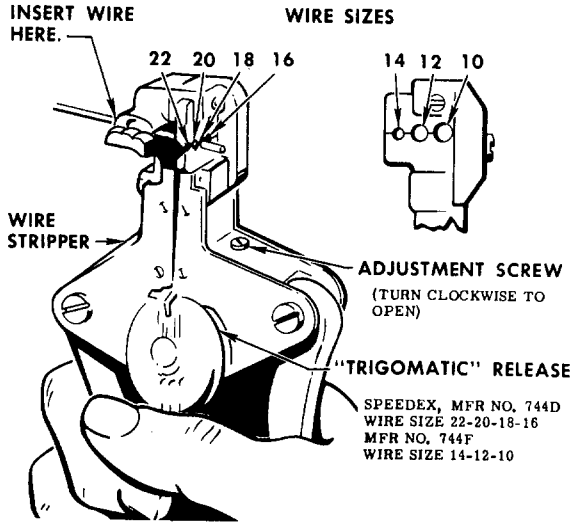


AIRCRAFT-MARINE PRODUCTS TERMINALS AND HAND TOOLS

TERMINAL	MFR TERMINAL NUMBER	SCREW SIZE	TERMINALS MS25036	WIRE SIZE RANGE	MFR HAND TOOL NUMBER	COLOR CODE	
						TERMINAL	TOOL HANDLE
RING-TONGUE PRE-INSULATED	31882 31888 31889 31892 31893	6 8 10 1/4 5/16	-2 -3 -4	22-20-18	48393 OR 49556 OR 49863	RED	RED
	32439 32441 32440 32442 31898 31901 31899 31902 31900 31903 31906 31904 31907 31905	4 4 6 6 6 6 8 8 10 10 1/4 1/4 5/16 5/16	-6 -6 -7 -7 -8 -8 -9 -9	16-14	48394 OR 49557 OR 49864	BLUE	BLUE
	32542 32543 32544 32545 32546	6 8 10 1/4 5/16	-11 -12 -13	12-10	59113 OR 59062	YELLOW	YELLOW

NOTE MS25037 hand tool may be used, although it is recommended that the terminal and hand tool from the same manufacturer be used for proper indentation.

5370-2-54-49

Wire Strippers and Terminals
Figure 20-00-1

(2) Be certain proper slot is used for wire size being stripped.

(3) While stripping wire, hold wire exactly perpendicular to cutting blades.

NOTE: If strippers nick strands or fail to remove all insulation from wire, they are out of adjustment.

(4) When stripping No. 8 and larger wire, use a sharp pocket knife and observe the following procedure:

(a) Very carefully ring-cut outside insulation. Make sure knife does not cut into any strands.

(b) Make next cut parallel to strands, deep enough to penetrate all insulation.

(c) Peel insulation from around wire. Trim off loose fabric or rubber.

4. Wire Lugging

A. General

An MS25037 handtool may be used although it is recommended that the terminal and handtool from the same manufacture be used for proper indentation. (See figure 20-00-1.)

B. Wire Lugging Precautions

(1) Install copper terminals only on copper wire, and aluminum terminals only on aluminum wire.

(2) Insert wire strands in an open-end terminal so that end of wire is flush with lug end of terminal barrel. Wire strands should never extend past the end of the terminal barrel far enough to interfere with the installation of the correct size washer.

(3) Make sure wire installed in permanent splices is visible in window of splice or is at least flush with inner end of terminal barrel. Wire strands should never extend more than half the length of the window past the barrel. Insulation on the wire should always enter the insulating sleeve of the splice. Cover a permanent splice with approved insulating sleeving and firmly spot-tie sleeving at each end. Approved heat shrink type sleeving may also be used to cover permanent splices.

(4) Use preformed terminals when bent lugs are needed. If preformed terminals are not available, copper terminals for wire sizes No. 22 through No. 10 may be bent a maximum of 90 degrees, once, if bent carefully. Larger copper terminals may be bent 30 degrees. Bend flag terminals so that barrel tends to close and no stress is placed on brazed joint.

(5) Do not damage or distort a terminal barrel in indenting or crimping operation. Whenever possible, indent top of barrel. This makes inspection easier after terminals are installed on a terminal strip. The indenture or indentures should always be in the center of the terminal barrel.

(6) When terminal manufacturer's tools are used for lugging, use correct color-coded tool. Install red color-coded terminals with red color-code tools, blue with blue, and yellow with yellow.

C. Lugging AMP Terminals

Preinsulated color-coded, insulated-grip terminals made by AMP, Inc (Harrisburg, Pa.) are used exclusively on wire sizes No. 22 through No. 10. AMP lugging tools must be used with these terminals. (See figure 20-00-2.)

(1) Select hand lugging tool according to color coding. The color on the handtool must match the color on the terminal.

(2) Place adjustment pins (or rivets) on lugging tool in No. 2 position.

(3) Check ratchet operation of handtool. The ratchet should release only when the tool handles are completely closed.

(4) Strip insulation from wire two-thirds of length of barrel used.

(5) Insert wire in barrel until insulation is butted firmly against internal shoulder.

(6) Check that strands are flush with end of barrel, but do not interfere with terminal mounting washer.

(7) Insert terminal in jaws of handtool so that indent will be in center on top and bottom of terminal barrel. Close tool handles until ratchet releases to complete the crimp.

D. Lugging AMP Permanent Splices

AMP lugging tools must be used with AMP splices. (See figure 20-00-2.)

(1) After selecting proper size connector by its color code, select a piece of approved tubing of correct diameter and long enough to extend 1/2 inch beyond each end of splice, and slide it onto wire; then strip each wire to be spliced exactly two-thirds of length of one connector barrel.

(2) Insert connector in jaws of correspondingly colored handtool (with stop removed). Before crimping, check carefully for these six conditions:

(a) Handtool adjustment pins must be in No. 2 position.

(b) Wire insertion end of connector barrel must be under adjustment pin side of head of tool.

(c) Entire splice barrel must be under jaws of tool, with no part protruding from either side of tool head.

(d) Crimp must be made exactly on top and bottom of barrel, not cocked or on the side.

(e) After wire in one half of splice is crimped, tool must be turned 180 degrees to properly crimp second half of connector.

(f) Slip approved tubing over splice, and spot-tie in position or cover with heat-shrink type sleeving.

E. Lugging AMP Knife Disconnects

When lugging knife disconnects, observe the following precautions:

(1) Use AMP lugging tool, or equivalent. (See figure 20-00-1.)

(2) Select hand lugging tool according to color coding. The color on the handtool must match the color on the knife disconnect.

(3) Place adjustment pins on hand lugging tool in No. 2 position.

(4) Check ratchet operation of handtool. The ratchet should release only when the tool handles are completely closed.

(5) Strip insulation from both wires, two-thirds of length of terminal barrel of knife disconnect.

(6) Cut approved tubing long enough to extend 1/2 inch beyond each end of knife disconnect assemblies.

(7) Slide tubing onto one of the two wires.

(8) Insert one stripped wire into barrel of one knife disconnect until insulation is butted firmly against internal shoulder of knife disconnect barrel.

(9) Position knife disconnect in jaws of hand lugging tool so that indent will be in center, and on top and bottom, of knife disconnect barrel.

(10) Close lugging tool handles until ratchet releases at completion of indent operation.

(11) Remove knife disconnect from handtool.

(12) Repeat steps (8) through (11) for remaining wire.

(13) Slide approved tubing over knife disconnect assembly, and spot-tie tubing at both ends or cover with heat-shrink type sleeving.

F. Lugging Burndy Insulated Terminals

When lugging Burndy copper insulated terminals sizes 8 to 4/0, the Burndy Hytool must be used. (See figure 20-00-2.) To install insulated terminals, the following procedure should be used:

NOTE: Before selecting proper terminal, carefully check any wire between sizes 8 and 4/0 to determine whether it is aluminum or copper. Look straight toward cut end of wire. If there is a copper tint of color, it is copper wire; if no color is present, it is aluminum wire.

(1) Strip insulation from copper wire exact length of terminal barrel.

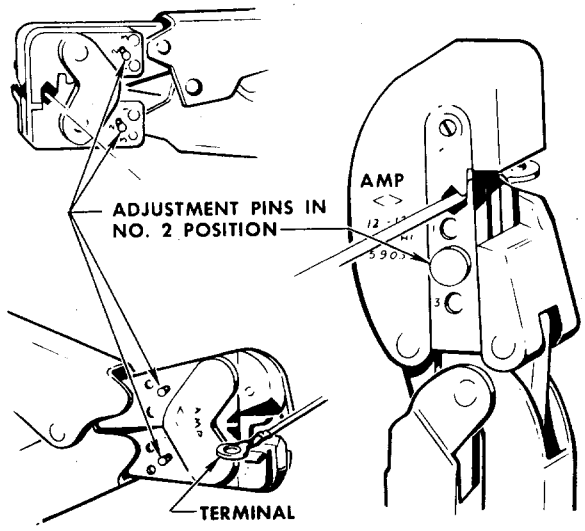
(2) Insert strands so that they are visible through inspection hole and so that insulation of wire slides inside nylon on lugs and butts firmly against end of copper barrel.

(3) Use proper Burndy handtool to indent. Indenting on the top is preferable for inspection purposes, but is equally effective on the bottom.

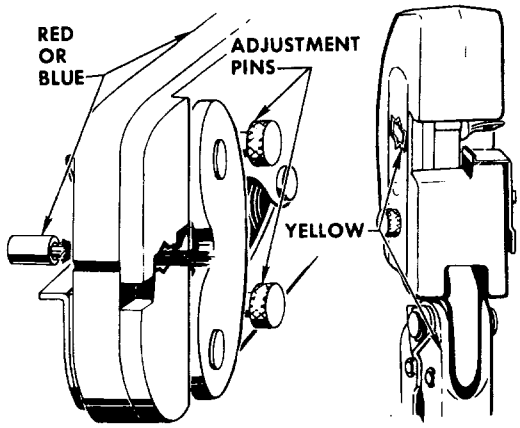
G. Lugged Terminal Pull-out Test

After lugging, to ensure that terminals are properly indented, a test sample of the terminal should be subjected to a pull-out test. The test sample should be capable of withstanding a steady (one inch per minute) pull equivalent to the listed minimum pull-out value for the size wire as shown in the following table:

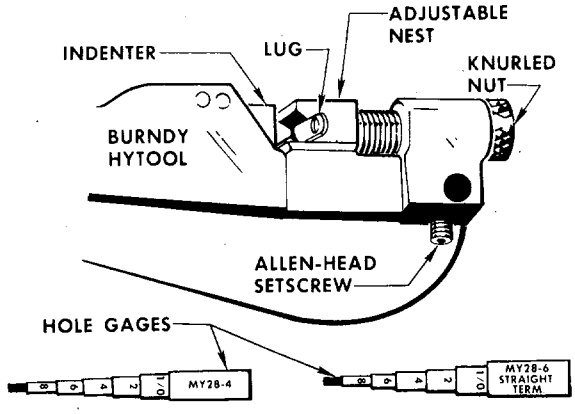
CABLE SIZE	MINIMUM PULL-OUT VALUE (Pounds)
22	15
20	19
18	38
16	50
14	70
12	110
10	180
8	250
6	300
4	400
2	555
1	650
1/0	760
2/0	860



LUGGING "AMP" TERMINALS



LUGGING "AMP" PERMANENT SPLICES



LUGGING BURNDY INSULATED TERMINALS - SIZES 8 TO 4/0

5370-2-54-50

Lugging Tools
Figure 20-00-2

5. Ferrules

A. Installing MS25311( ) Ferrules on Shielded Wires

(1) Be sure to select MS25311( ) ferrule by size and color. (See figure 20-00-3.) The size of the ferrule permits a slight clearance which allows the insulated wire to pass freely through the center opening of the ferrule.

(2) Follow approved stripping procedures to strip shielding and expose insulated wire. Make sure that insulated conductor(s) is not damaged.

(3) Fan shielding slightly by rotating center conductor(s).

(4) Trim shielding to a smooth, straight end. Leave no stray strands.

(5) Slip ferrule over shielded wire. The inner surface of the metal barrel will slide under the shielding, and the outer surface of the metal barrel will slide over the shielding, permitting the insulated conductor to pass through the center opening of the ferrule. The ferrule should be installed on the shielded area of the wire as close as possible to its connector; however, enough room should be allowed for maintenance of the wire. (See figure 20-00-3.)

(6) By means of inspection holes, check to see that shielding is within end of metal barrel.

(7) Insert ground or jumper wire between inner and outer metal barrel, within end of metal barrel.

(8) Crimp ferrule by placing ferrule flush against stop plate of MS25312( ) crimping handtool. Make sure inspection holes on ferrule are vertical and are in line with crimp.

(9) Select correct MS25312( ) crimping handtool by color code and groove size. Make sure color code on crimping handtool and color code of insulating sleeve on ferrule are the same. The dash number on the crimping handtool. (See figure 20-00-3.)

(10) Spot-tie ground or jumper wire within 3/8 inch of ferrule.

(11) Do not install ferrules bunched together in a wire bundle. Stagger ferrules within bundle at approximately 1/2-inch intervals.

6. Crimped Contacts For KPTM and CA-RX Connectors

A. Crimped Contact Handling Precautions

(1) Hands must be clean and dry before handling any part of the contacts.

(2) Never use a lubricant on contacts or grommet inserts. If contacts become contaminated with grease or lubricating fluid, they must be cleaned thoroughly, using any quick-drying liquid degreasing solvent.

(3) Use correct tools and follow correct procedures. Never use pliers to insert or extract contacts.

(4) Never use a connector if grommet insert has been damaged, as this would permit contacts to come in contact with each other.

(5) Never insert contacts into grommet while connector is assembled. Contacts will bend.

(6) Never attempt to remove grommet from connector, as it is an integral part of connector.

(7) Do not use contacts that show visible indication that they have been bent or damaged.

(8) Do not attempt to straighten damaged contacts.

(9) When inserting or extracting contacts, always apply pressure straight in on contacts.

(10) Never re-use a contact that has been crimped and removed from wire.

(11) Unused holes in box mounted, crimp-pin receptacles (CA3102RX-( )-( ) or KPTM02E-( )-( )) do not require a sealing plug of polyvinyl rod.

B. Crimping ITT Cannon Electric Crimped Contacts With MS3191-1 Crimp Tool

(1) Select correct MS3191-1 crimp head by color, contact size, and wire size. (See figure 20-00-4 and 20-00-6.)

(2) Select correct size contact. (See figure 20-00-6.)

(3) Cycle crimp tool to be sure that crimp indentors are in open position, ready to accept a contact.

(4) Use approved wire stripping procedures. See figure 20-00-4 for wire stripping length.

(5) Insert stripped end of wire into opening in end of crimp barrel. (See figure 20-00-4.) The insulation of the stripped wire butts up against the end of the crimp barrel on the contact. The inserted conductor must be visible through the inspection hole on the side of the crimp barrel. (See figure 20-00-4.)

(6) Inserted contact mating end into opening in MS3191-1 crimp head. (See figure 20-00-4.)

(7) Close tool completely to crimp contact. Note that unless tool has been completely closed, ensuring a satisfactory crimp, tool will not release contact.

(8) Remove crimped contact and wire from tool, and inspect crimped area. The wire conductor must be visible through the inspection hole in the side of the crimp barrel. (See figure 20-00-4.)

C. Inserting Cannon Electric Crimped Contacts

(1) Slide hardware of connector over bundle of crimped wires. (See figure 20-00-5.) Make sure that hardware is retained in correct order for reassembling after all contacts have been inserted.

(2) Insert crimped contact and wire, by hand, into grommet insert hole closest to outer edge so that crimp barrel is still exposed. (See figure 20-00-5.) Make sure that crimped contact and wire is correct wire for designated terminal of connector. See figure 1-4, sheet 5, for terminal designation identification for KPTM( )-22-55 ( ) connectors. If there is a question of correct wire and terminal hookup, refer to applicable wiring diagram.

(3) Select correct insertion tool. (See figure 20-00-6.)

(4) Place tool in position behind crimped contact so that wire lead runs along groove of tool, and tip of tool slides over end of contact and butts against shoulder in front of crimp barrel. (See figure 20-00-5.)

(5) Apply a slow, even pressure and push contact strainght in until it snaps into position and stops against front shoulder built into grommet. The tool also has a shoulder stop to give a visual indication that the contact has been properly inserted. (See figure 20-00-5.) Caution should be taken that the contacts will not be overinserted.

(6) If the contact is improperly positioned, it can be reset by removing the contact with the correct extraction tool and reinserted. See figure 20-00-6 for correct extraction tool and figure 20-00-7 for removing crimped contact.

(7) Remove insertion tool by pulling insertion tool straight out from face of grommet.

(8) After all insertions, check front of connector to be sure that contacts have not been overinserted or underinserted. If properly inserted, the contacts will be in alignment with each other.

(9) Unused contact holes in pressure barrier connectors and connectors that mate with equipment shall be filled with polyvinyl rods with a durometer hardness test of approximately A90. The diameter of the grommet holes may be determined from the size contact used in the connector. When installing the polyvinyl rod, one end of the rod shall not extend more than one-eighth inch beyond the rear end of

the rubber grommet. The rod shall be inserted into the grommet holes to a minimum depth of three-eighths of one inch. The following table lists the contact sizes, grommet hole diameter and the recommended rod sizes.

CONTACT SIZE	GROMMET HOLE	ROD SIZE
20	0.100 inch	0.094 ± 0.005 inch
16	0.115 inch	0.100 ± 0.005 inch
12	0.150 inch	0.125 ± 0.005 inch
8	0.200 inch	0.200 ± 0.010 inch
4	0.310 inch	0.312 ± 0.010 inch
0	0.445 inch	0.500 ± 0.010 inch

(10) After all wires and grommet holes have been filled, reassemble hardware and tighten connector clamp nut by rotating clamp clockwise (when viewed from face of grommet) until a metal-to-metal stop is obtained. The back of the ferrule, endbell, and grommet will be aligned in a position flush to each other. The grommet may bulge slightly, depending on the wire size used. Tightening of the endbell must be complied with to maintain the maximum seal.

D. Removing ITT Cannon Electric Crimped Contacts

(1) Select correct extraction tool. (See figure 20-00-6.)

(2) For socket contact removal, use pin end of tool. (ITT Cannon Electric tool tips can be turned end-for-end by unscrewing the caps.) Insert tool into mating end of contact, and push contact out of back of connector. (See figure 20-00-7.)

(3) For pin removal, use tubular end of ITT Cannon Electric tool. Insert tool over mating end of contact and push contact out of back of connector. (See figure 20-00-7.)

7. Pressure Feedthrough (Gland) Seal

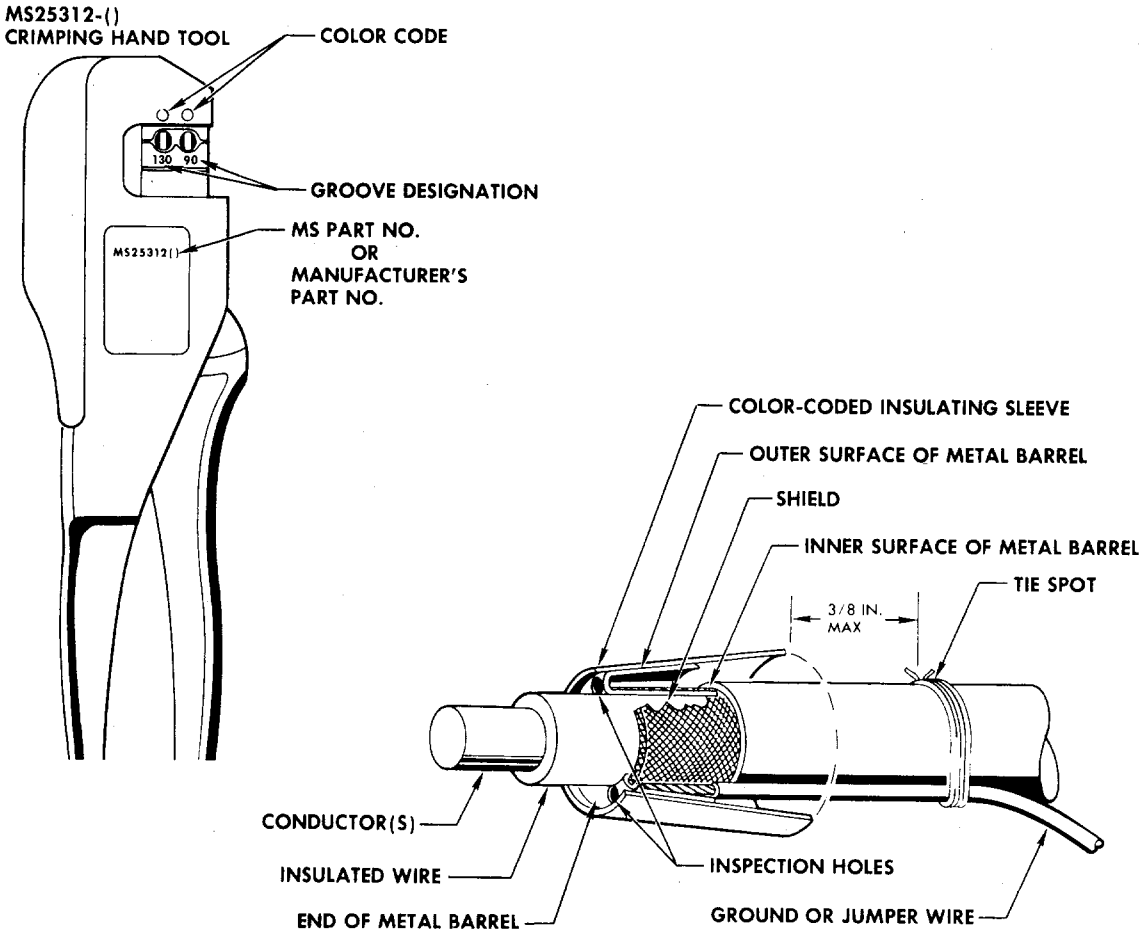
A. Sealing Unused Holes in Glands

(1) After all wires have been inserted through the rubber grommet, all unused contact holes in the rubber grommet must have the correct size of sealing plug (filler) inserted to ensure a pressure seal. (See figure 20-00-6 for sealing plug sizes, and figure 20-00-7 for installation of sealing plugs.)

(2) To permit entry of complete coaxial cable (with connections on) through grommet, cut rubber grommet in one place per cable and lay cable in grommet so that grommet fits securely around cable when clamping nut is tightened.

8. Assembly of Wire to 872195 and 872196 Fire Detector Quick-disconnects

See figure 20-00-8.



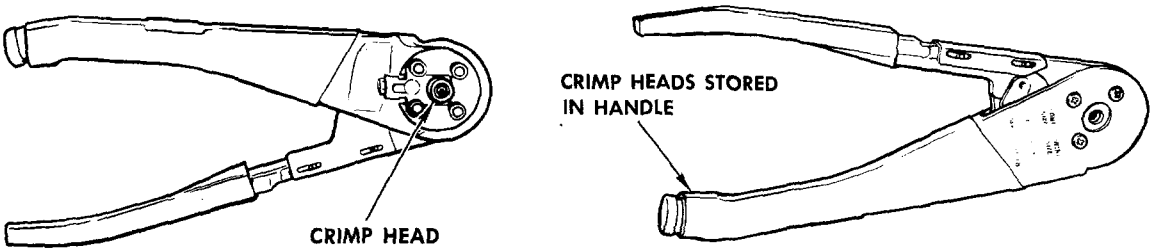
FERRULE	COLOR	CRIMPING HAND TOOL	GROOVE
MS25311-110	BLUE	MS25312-1	110
MS25311-130	BLACK	MS25312-2	130
MS25311-150	GREEN	MS25312-3	150
MS25311-180	BLUE	MS25312-4	180
MS25311-200	YELLOW	MS25312-4	200

NOTE Burndy-type "YEC" ferrules and MR8EC-( ) crimping hand tool may be used in place of MS25311-( ) ferrules and MS25312-( ) crimping hand tools. The last digit(s) of the manufacturer's ferrule part number will be the same as the MS25311-( ) dash number; the dash number of the manufacturer's crimping hand tool part number will be the same as the MS25312-( ) dash number. (Example: Ferrule YEC**90** may be used in place of MS25311-**90** ferrule; crimping hand tool MR8EC-2 may be used in place of MS25312-2 crimping hand tool, etc.) The groove and color codes remain the same.

S370-2-54-51

Typical Installation for Ferrules MS25311 on Shielded Wires
Figure 20-00-3

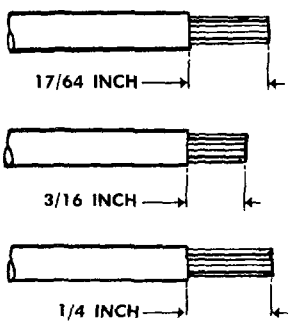
MS3191-1 CRIMP TOOL
(SHOWING BOTH SIDES)

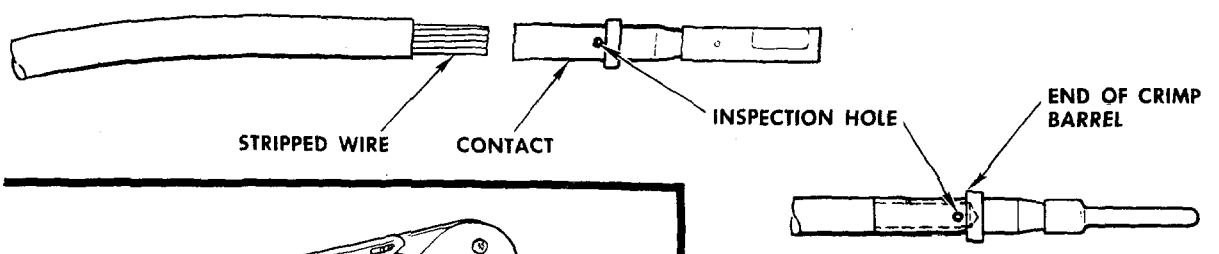


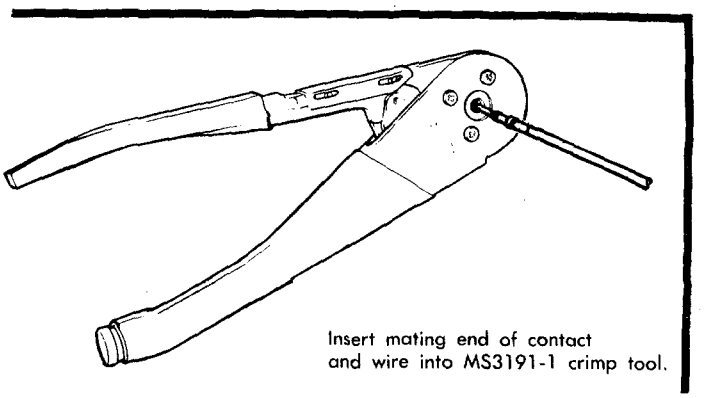
CRIMP HEAD COLOR CODE	CONTACT SIZE	
RED	NO. 20	FOR APPLICATION, SEE FIGURE 20-00-6
BLUE	NO. 16	
YELLOW	NO. 12	

WIRE STRIPPING LENGTHS

CONTACT SIZE	PIN	SOCKET	STRIPPING LENGTH (IN.)
20	030-9054-003	031-9096-002	17/64
20	030-1713-000	031-0964-000	3/16
20	030-9036-002	031-9037-003	3/16
20	030-9163-000	031-9162-000	3/16
16	030-9032-002	031-9095-004	1/4
16	030-9032-003	031-9095-003	1/4
12	030-9048-000	031-9043-000	1/4

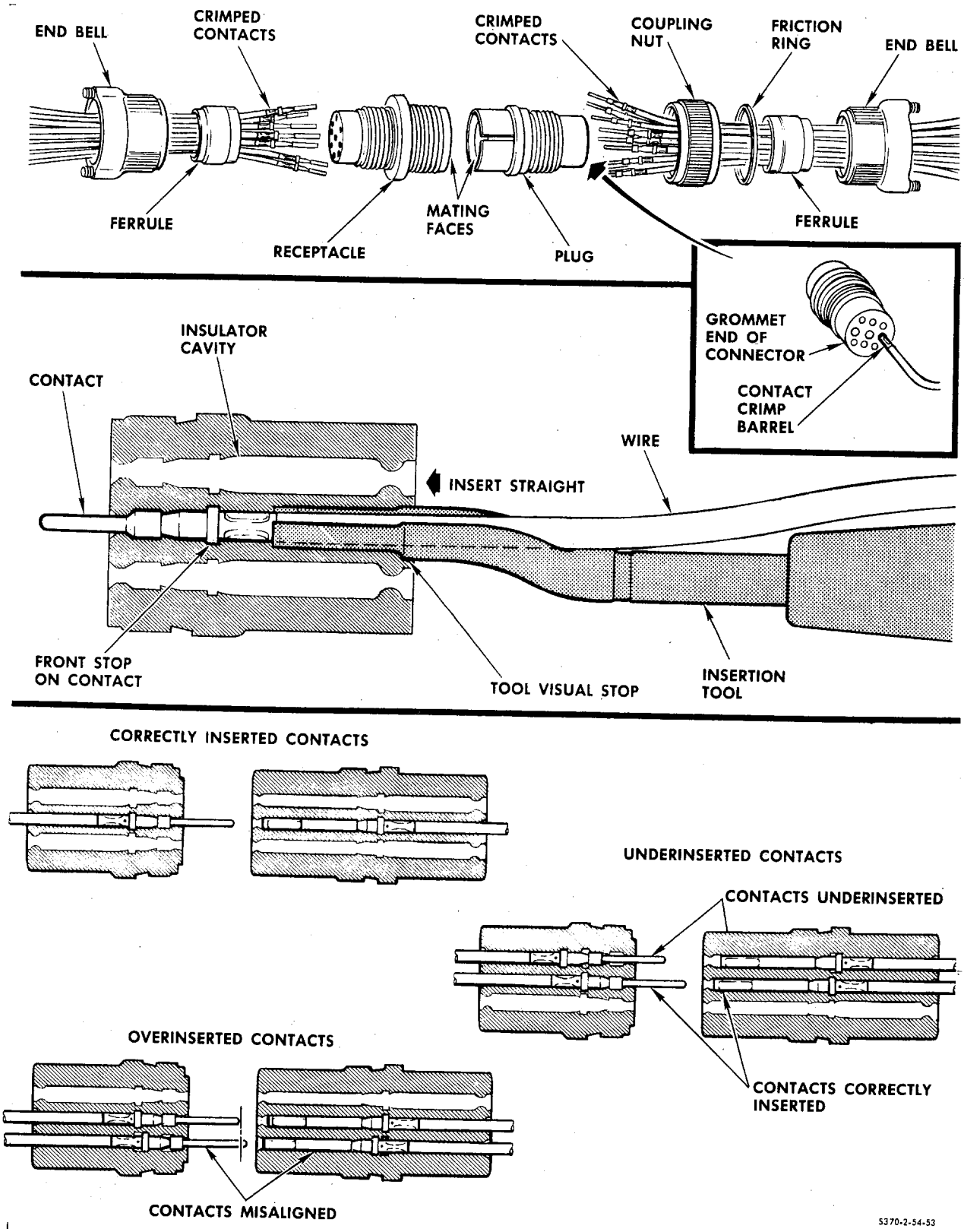




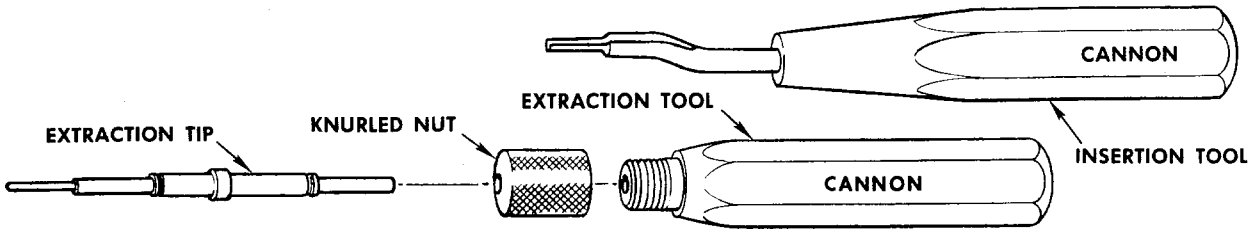


5370-2-54-52

Crimping ITT Cannon Electric Contacts
With MS3191-1 Crimp Tool
Figure 20-00-4



Inserting ITT Cannon Electric Crimped Contacts
Figure 20-00-5



NOTE ITT Cannon Electric extraction tools are used for both socket and pin contacts. By removing the knurled nut on the tool, the tip may be reversed end for end. The tubular tip is for pin contact removal. The pin tip is for socket contact. ITT Cannon Electric tools, and contacts, and insert fillers may be purchased from Cannon Electric Co, 3208 Humboldt St, Los Angeles 31, California 90031.

KPTM CONNECTOR SEALING PLUGS

ORDER NUMBER	CONTACT SIZE	COLOR CODE
MS3187A20	20	RED
MS3187-16	16	BLUE
MS3187-12	12	YELLOW

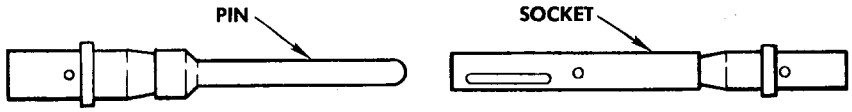
CA310 ( ) RX CONNECTOR SEALING PLUGS

ORDER NUMBER	CONTACT SIZE	WIRE SIZE	COLOR CODE
225-1000-000 (MS25251-20)	20	22-20	RED
225-0017-000 (MS25251-16)	16	22-16	BLUE
225-0018-000 (MS25251-12)	12	14-12	YELLOW

KPTM CONNECTORS

INSERTION TOOL	EXTRACTION TOOL	CONTACT SIZE	PIN	SOCKET	COLOR CODE (CRIMP HEAD AND CONTACTS)	WIRE SIZE	CRIMPING HAND TOOL
CIT20-18 (MS24256-A20)	CET20-4 (MS24256-R20)	20 (WITHOUT INSULATION SUPPORT)	030-9054-003	031-9096-002	RED	NO. 20 AND 22 WIRE	MS3191-1
CIT20-5A (MS24256-A20)	CET20-4 (MS24256-R20)	20 (WITH INSULATION SUPPORT)	030-9163-000	031-9162-000	RED	NO. 20, 22, 18, AND 16 WIRE; NO. 14 WIRE REQUIRES A JUMPER WIRE	MS3191-1
CIT16-1 (MS24256-A16)	CET16-3A (MS24256-R16)	16	030-9032-003	031-9095-003	BLUE	NO. 18, 16 AND 14 WIRE	MS3191-1

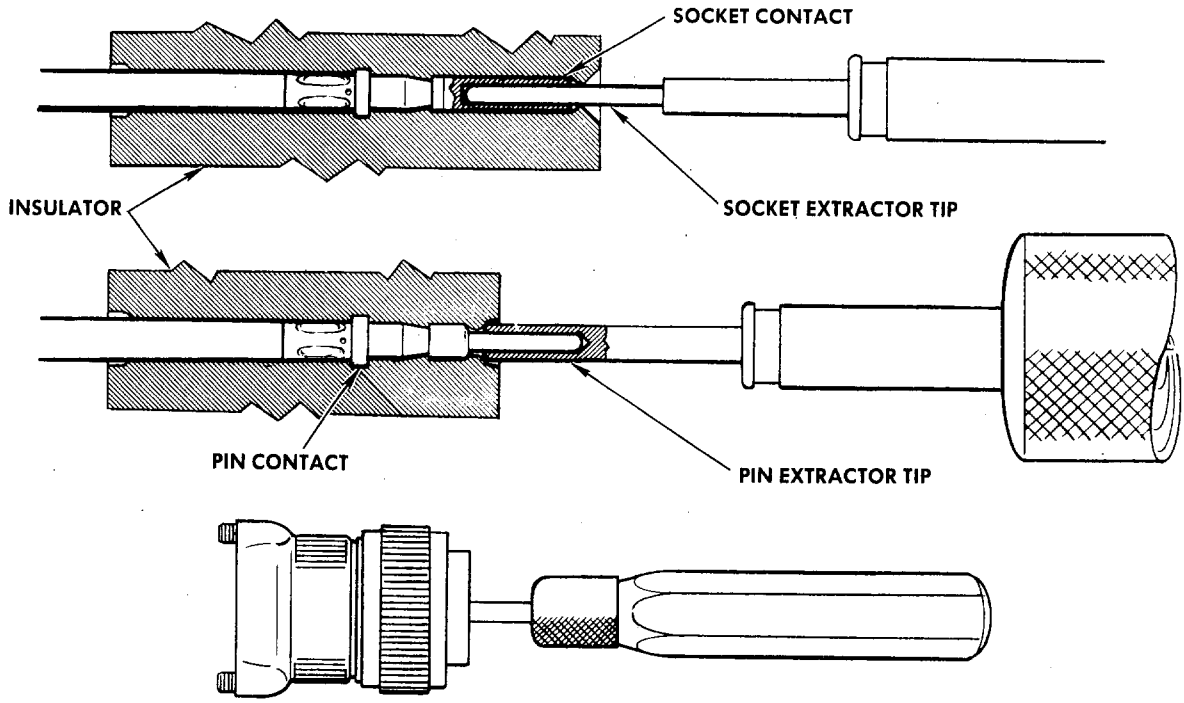
CA310( )RX CONNECTORS



CIT20-4 (MS24256-A20)	CET20-3 (MS24256-R20)	20	030-9036-002	031-9074-003	RED	NO. 20 AND 22	MS3191-1
CIT16-1 (MS24256-A16)	CET16-3A (MS24256-R16)	16	030-9032-002	031-9095-004	BLUE	NO. 18, 16 AND 14 WIRE	MS3191-1
CIT12-1 (MS24256-A12)	CET12-1A (MS24256-R12)	12	030-9048-000	031-9043-000	YELLOW	NO. 12 AND 10 WIRE	MS3191-1

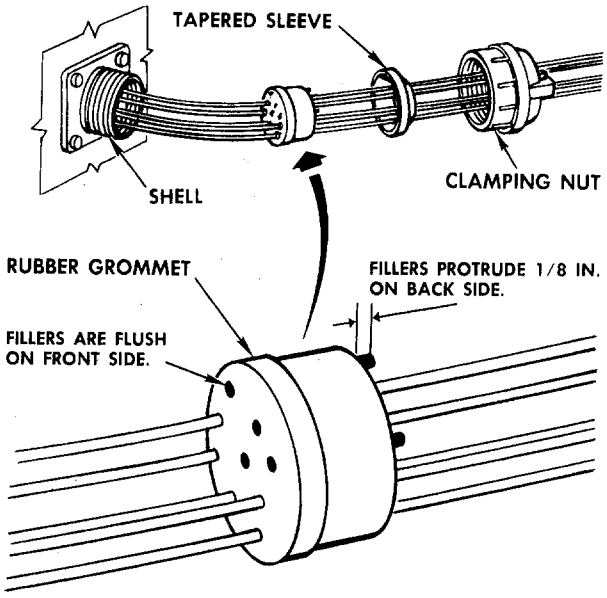
S370-2-54-54

Inserting and Extraction Tools, Contacts, and Sealing Plugs for ITT Cannon Electric Crimped Contacts
Figure 20-00-6



NOTE ITT Cannon Electric tools illustrated.

EXTRACTING ITT CANNON ELECTRIC CRIMPED CONTACTS



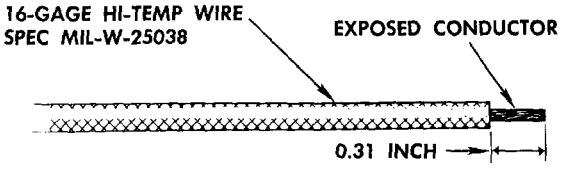
SEALING UNUSED CONTACT HOLES FOR PRESSURE FEEDTHRU (GLANDS)

S370-2-54-55

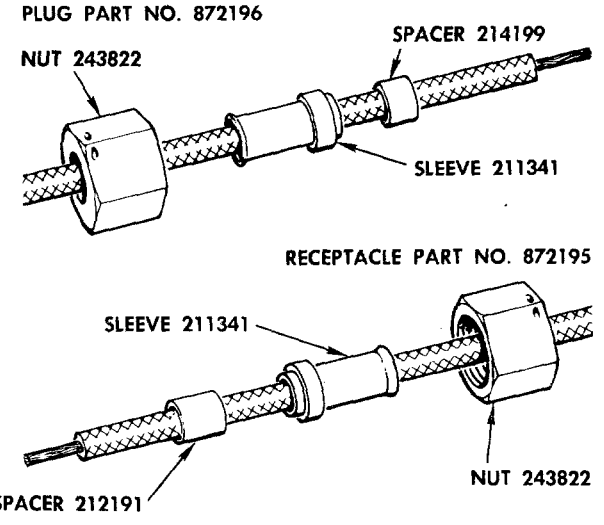
Extracting ITT Cannon Electric Crimped Contacts and Sealing Unused Contact Holes for Pressure Feedthrough (Glands)

Figure 20-00-7

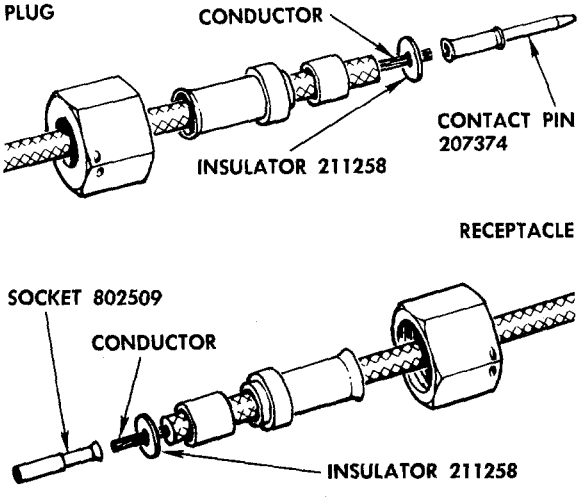
1 Use approved stripping procedures and strip insulation, leaving 0.31 inch of exposed conductor.



2 Slide nut (243822), sleeve (211341), and spacer (214199 for plug or 214191 for receptacle) over end of wire.



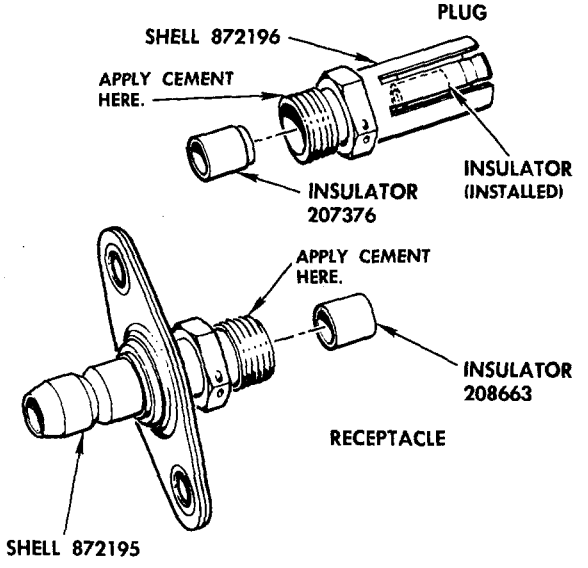
3 Slide insulator (211258) and contact pin (207374) or socket (802509) over end of exposed conductor. The insulator should rest against the trimmed end of the wire insulation and the socket or pin shoulder should rest against the insulator.



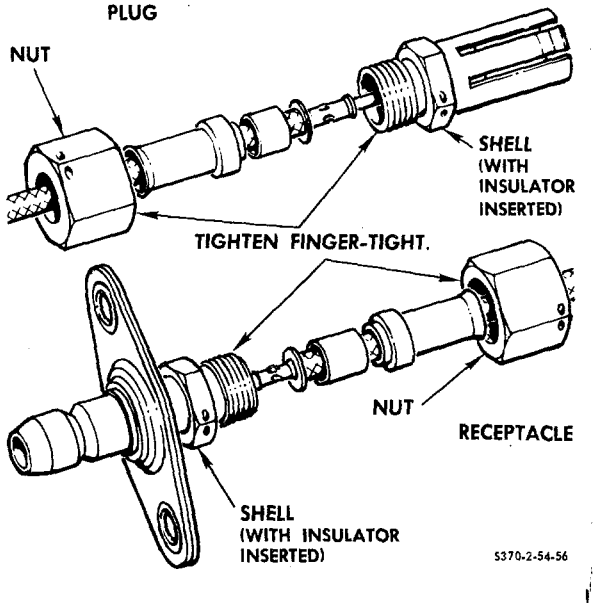
4 Use Buchanan crimp tool MS3191-1 with crimp head 3630-2 for contact pin 207374 and crimp head 3630-3 for socket 802509, and crimp contact to exposed conductor.

5 Apply Sauereisen No. 32 cement or equivalent to the first three threads of shell 872195 or 872196 (number stamped on shell).

6 Insert insulator (207376 for plug or 208663 for receptacle) in shell. Make sure counterbore in insulator receives flange of pin or socket contact.



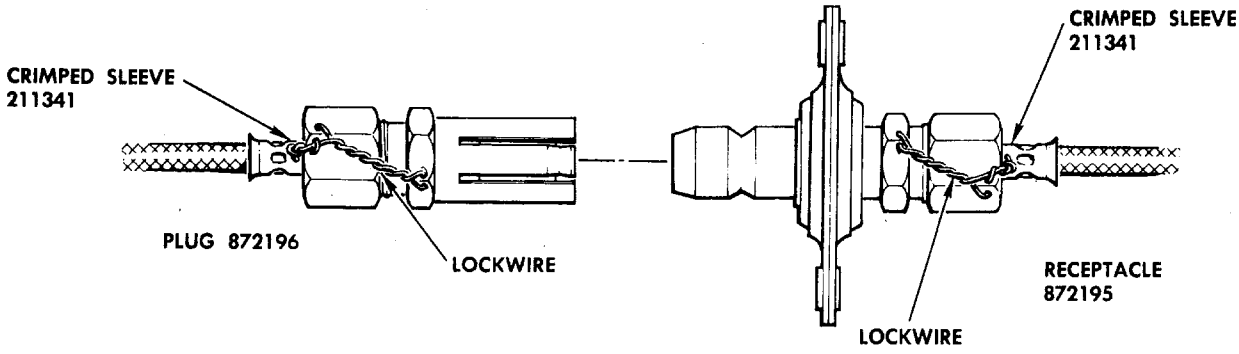
7 Insert subassembly into shell and tighten nut and shell finger-tight until end play of internal parts has been eliminated.



Assembly of Wire to 872195 and 872196 Engine Fire Detector Quick-disconnects (Sheet 1 of 2)
Figure 20-00-8

8 Before crimping sleeve to wire, make sure contact position within shell is in correct position. The correct position may be determined by pushing forward lightly on the wire extending out of the sleeve until the shoulder of the sleeve seats against the insulator and then noting the contact position relative to the end of the shell assembly. Holding the contact in proper position, crimp sleeve to wire, using crimp tool 683-51586 (Thomas and Betts).

10 Follow approved procedures and check continuity of connector.



9 Use approved safety-wiring procedures and safety shell and nut with lockwire. Make sure ends of lockwire are terminated so that hands are protected when pulling quick-disconnect apart.

NOTE Tools and cement may be purchased from the following:

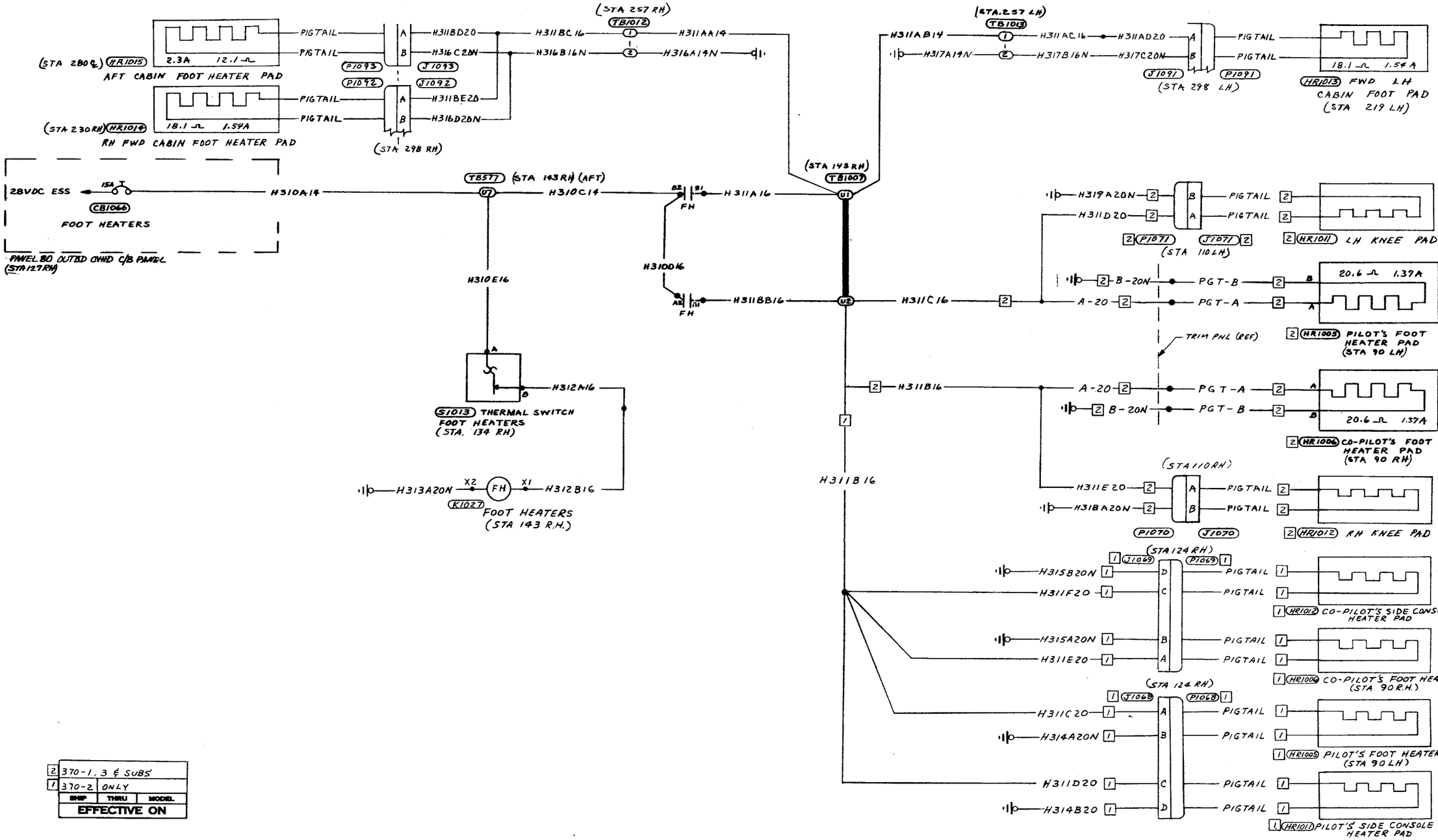
Crimp tool MS3191-1	Buchanan Electrical Products Corp Hillside, New Jersey
Crimp head 3036-2 3036-3	Buchanan Electrical Products Corp Hillside, New Jersey
Crimp tool 683-51586	Thomas and Betts Elizabeth, New Jersey
No. 32 cement	Sauereisen Cements Co Pittsburgh, Pennsylvania

5370-2-54-57

Assembly of Wire to 872195 and 872196 Engine Fire Detector Quick-disconnects (Sheet 2 of 2)
Figure 20-00-8

CHAPTER 21

AIR CONDITIONING



SHIP	THRU	MODEL
2 370-1, 3 & SUBS		
1 370-2	ONLY	

EFFECTIVE ON

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SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	DESCRIPTION	LOCATION
PANEL 80	RH OUTBOARD OV'HD C/B PNL	127 RH
81	LH OUTBOARD OV'HD C/B PNL	126 LH
41	ENGINE FIRE CONTROL PNL	98 ℄
51	HEAT & VENT SW PNL -- PEDESTAL	95 ℄
PANEL 57	AFT FUS HEAT AND VENT RELAY BOX	401 RH
	PLUG —	
P532	— PANEL 57 DISC (J517)	400
P547	— ELECT PWR & ENG STARTER RELAY BOX (J532)	333 ℄
P549	— ELECT PWR & ENG STARTER RELAY BOX (J534)	333 ℄
P560	— PANEL 51 DISC (J545)	95 ℄
P570	— FUS STA 143 RELAY PANEL (J555)	143 RH
P700	— FUS STA 333 PRESS BHD (J630)	333
P701	— FUS STA 333 PRESS BHD (J621)	333
P704	— FUS STA 333 PRESS BHD (J624)	333
P707	— FUS STA 76 RH (J627)	76 FWD
P851	— DISC (J851)	206LH
P859	PLUG — DISC (J859)	95 ℄
P545	PLUG — RELAY BOX DISC (J530)	143 RH
TB502	TERM BD — NOSE COMPARTMENT	400 LH
TB545	—AFT PILOT COMT	143 RH
TB549	— CABIN TEMP SENSOR BLO	206 LH
TB577	FIELD BREAK	143 RH
TB583	TERM BD FIELD BREAK	143 RH

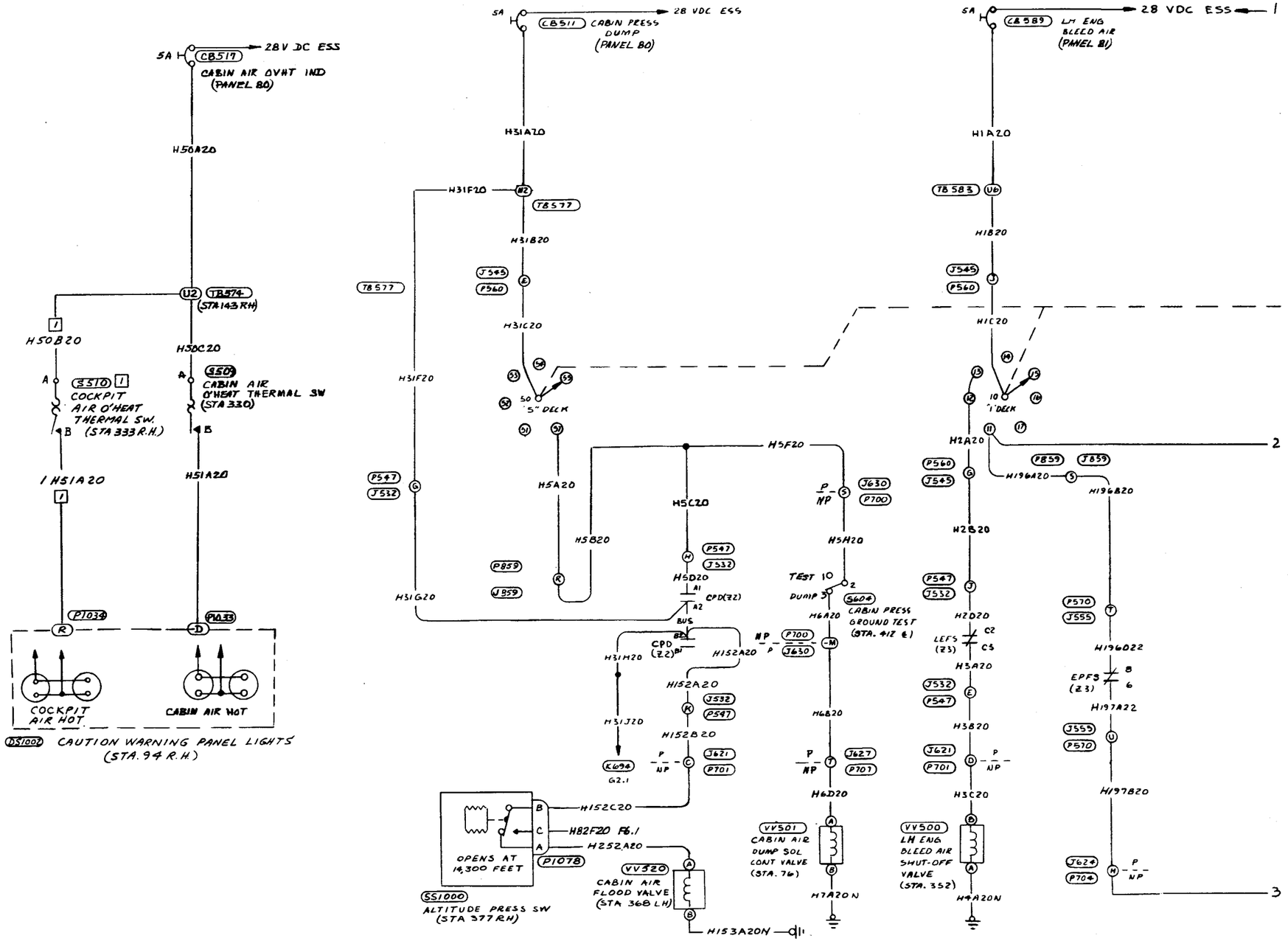
NOTES/LEGEND

1. SEE SYSTEMS LIST BELOW
   B7.1 ELECTRICAL GROUND SYSTEM
   E2.1 LANDING GEAR POS IND & WARNING SYSTEM
   F5.1 AFT FUS O'HEAT INDICATING SYSTEM
   F6.1 VACUUM PUMP SYSTEM
   G2.1 ENG INLET GUIDE VANE ANTI-ICE SYSTEM
   H4.1 ENG FIRE EXTINGUISHER SYSTEM
   L4.1 SPEED BRAKE INDICATING SYSTEM
2. 2. GRD CIRCUIT SHOWN IN SCHEMATIC FORM, FOR DETAIL CIRCUIT SEE L4.1
3. 3. SHOWN IN SCHEMATIC FORM FOR CIRCUITRY, FOR DETAIL SEE H4.1
4. 4. FOR DETAIL GRD CIRCUIT SEE B7.1
1. 5. SHOWN IN SCHEMATIC FORM FOR CIRCUITRY, FOR DETAIL SEE E2.1

EFFECTIVITY

[1] AIRPLANES CHG BY S/B 73-5

[2] AIRPLANES NOT CHG BY S/B 73-5



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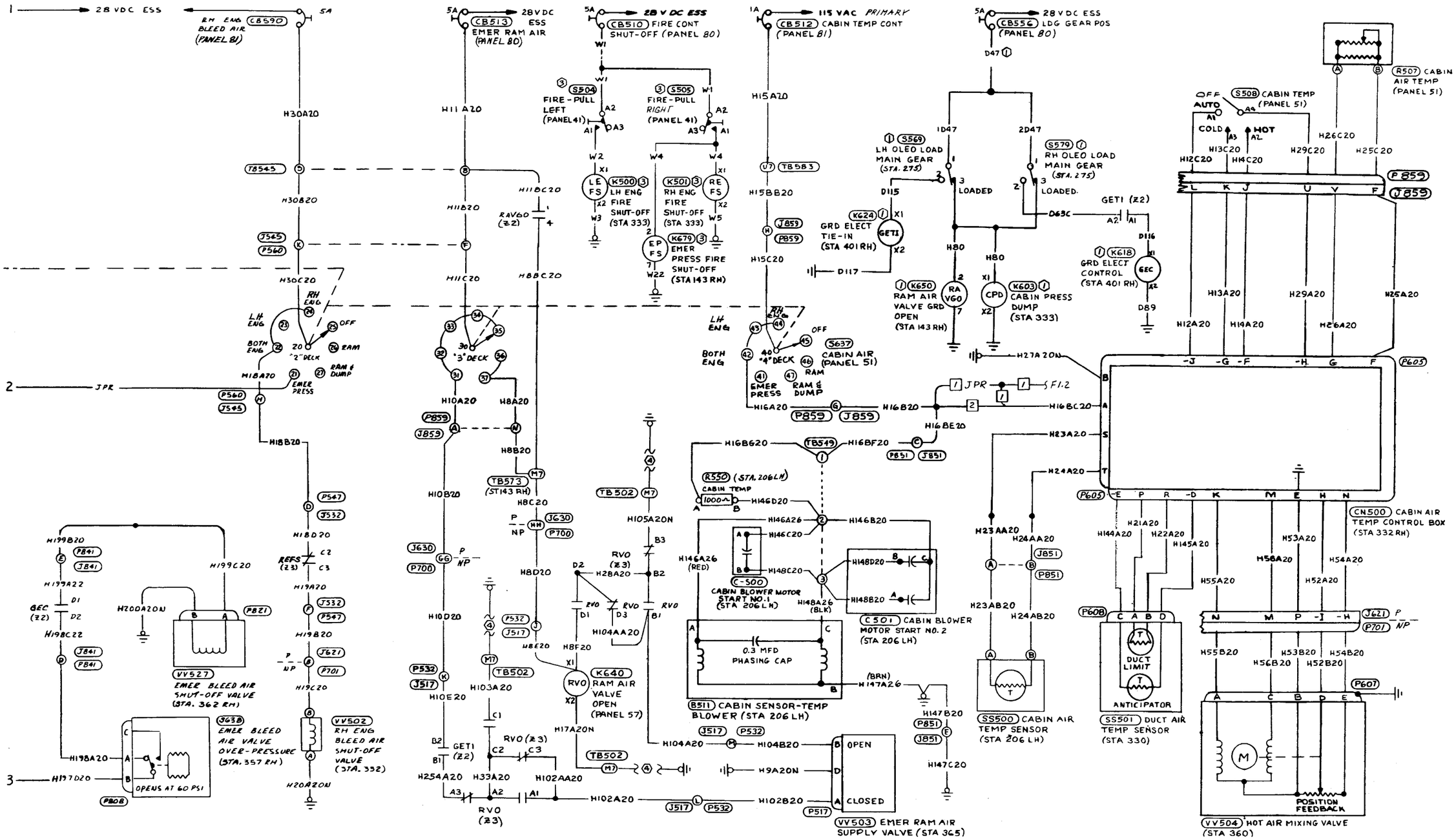

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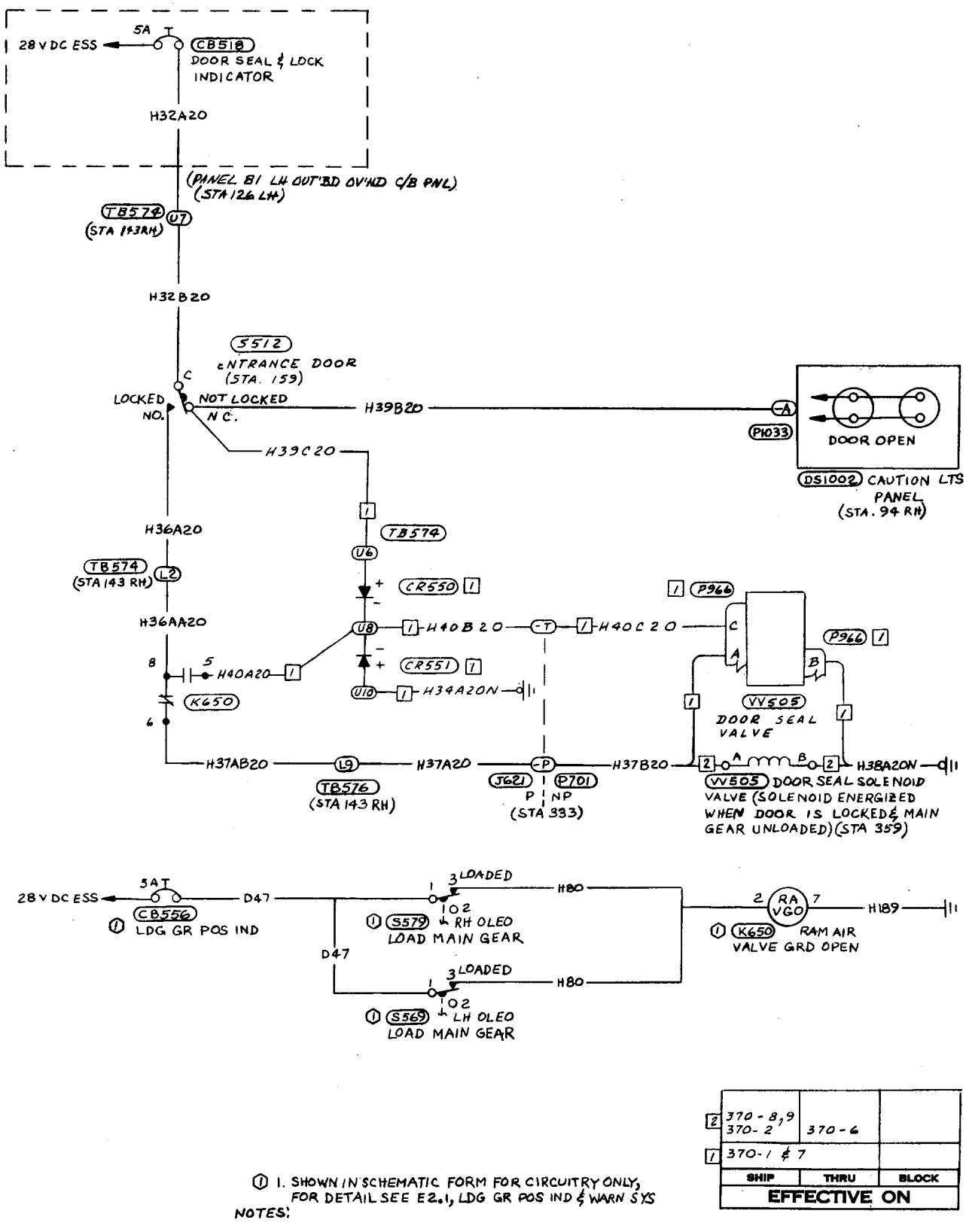

2	370-8,9 370-2	370-6	
1	370-1 & 7		
SHIP		THRU	BLOCK
EFFECTIVE ON			

NOTES:
1. SHOWN IN SCHEMATIC FORM FOR CIRCUITRY ONLY, FOR DETAIL SEE E2.1, LDG GR POS IND & WARN SYS

DOOR SEAL AND LOCK INDICATOR SYSTEM
NA265-70, 370-1 thru 9

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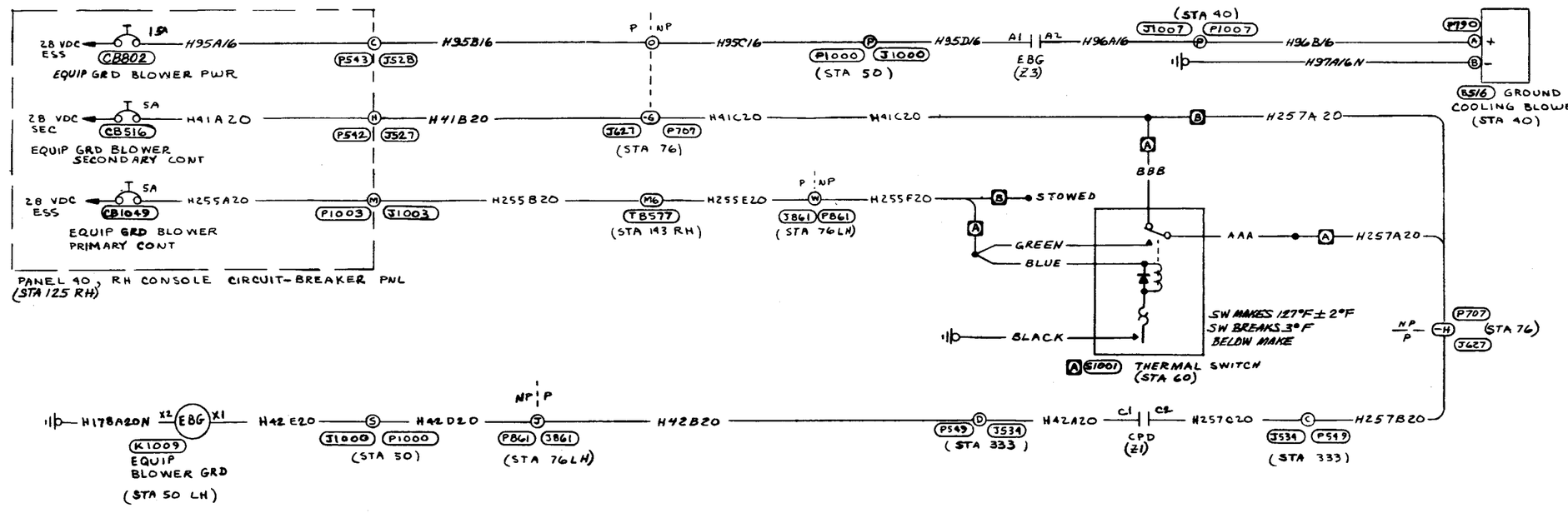
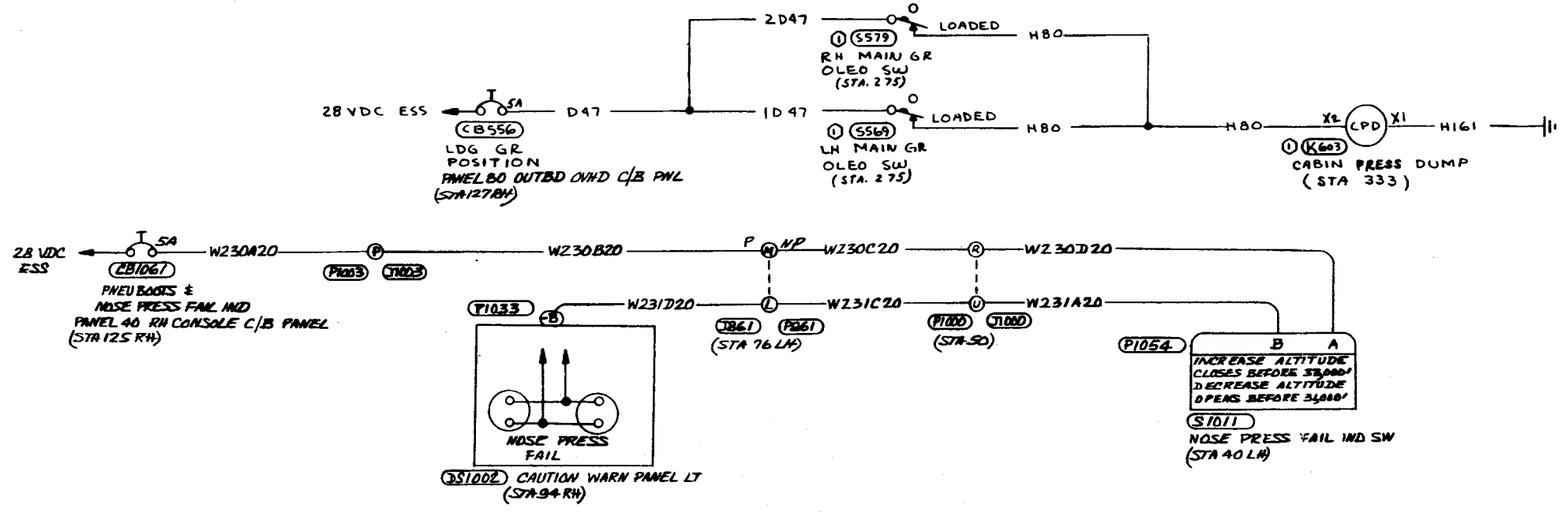
NOTES/LEGEND

1. SHOWN IN SCHEMATIC FORM FOR CIRCUITRY ONLY. FOR DETAIL CIRCUIT SEE: E2.1 LDG GR POSITION INDICATING & WARNING SYSTEM
2. AIRPLANES WITHOUT S1001 THERMAL SWITCH
3. AIRPLANES WITH S1001 THERMAL SWITCH





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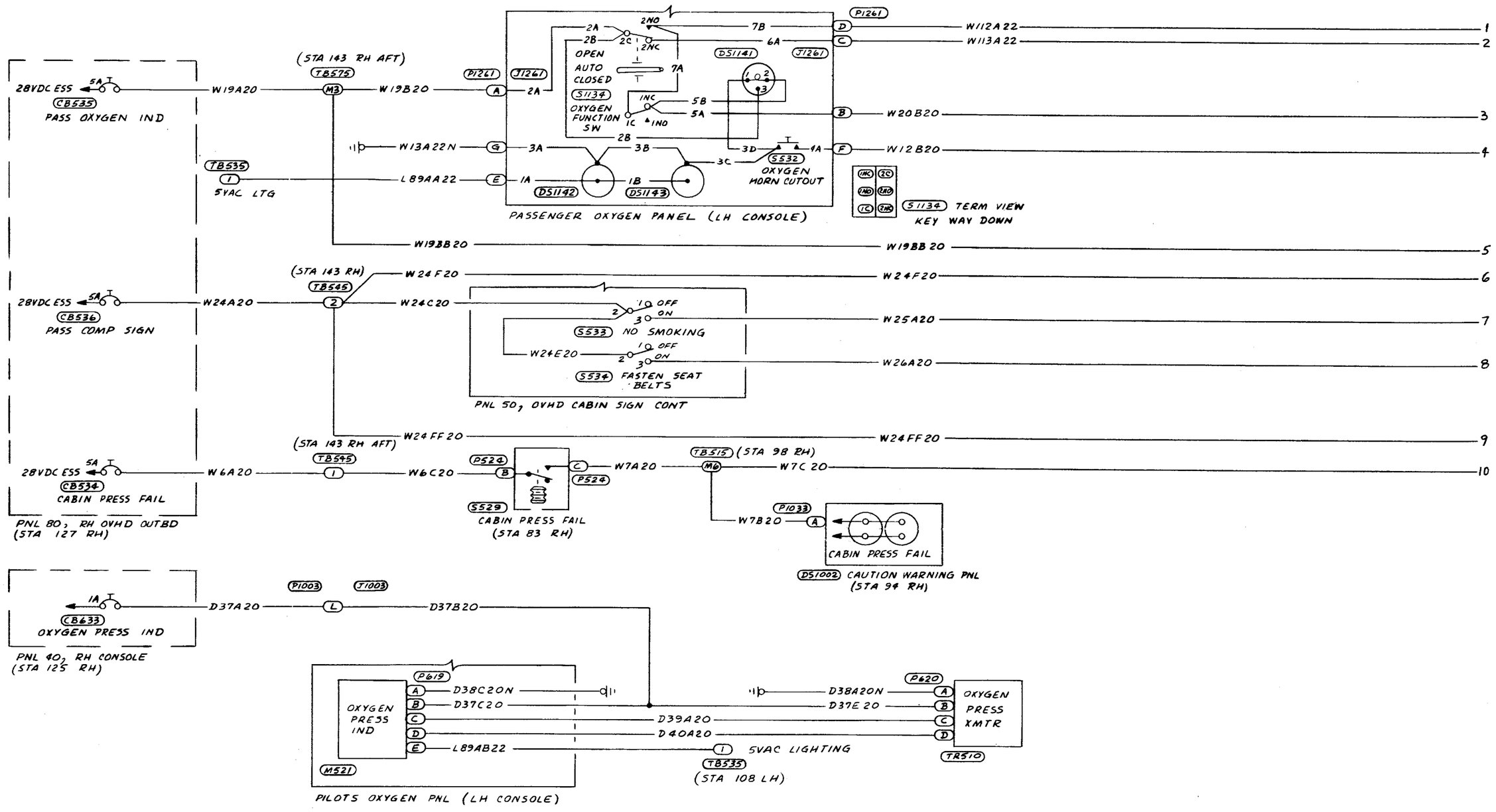
NOSE GROUND COOLING BLOWER AND PRESS FAIL SYS
NA265-70, 370-1 and Subs



① FOR DETAIL ELECTRICAL GRD SEE B7.1

NOTES:

CABIN PRESS, WARNING SIGNS, OXYGEN FLOW & OXYGEN PRESSURE SYSTEMS
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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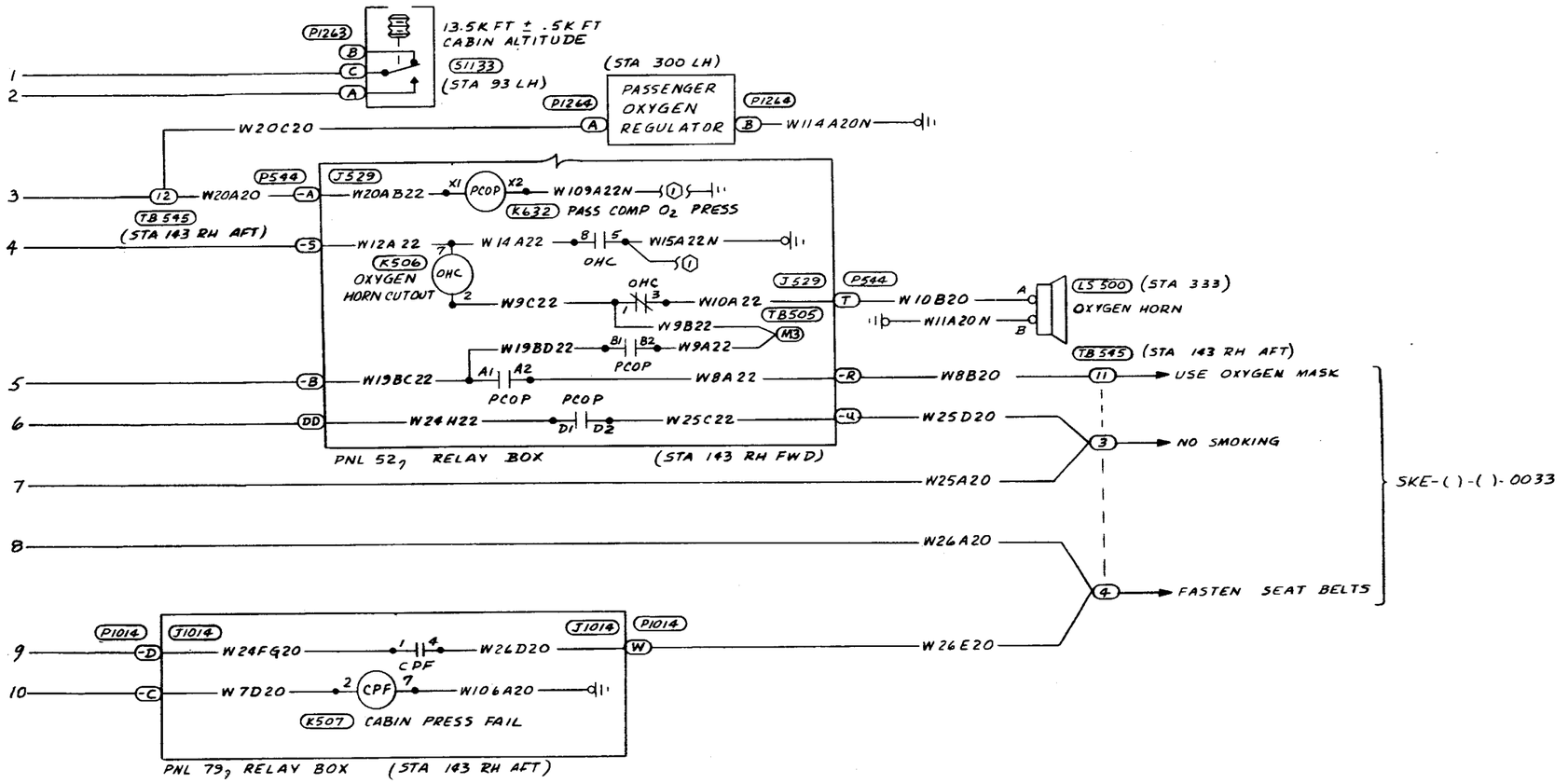

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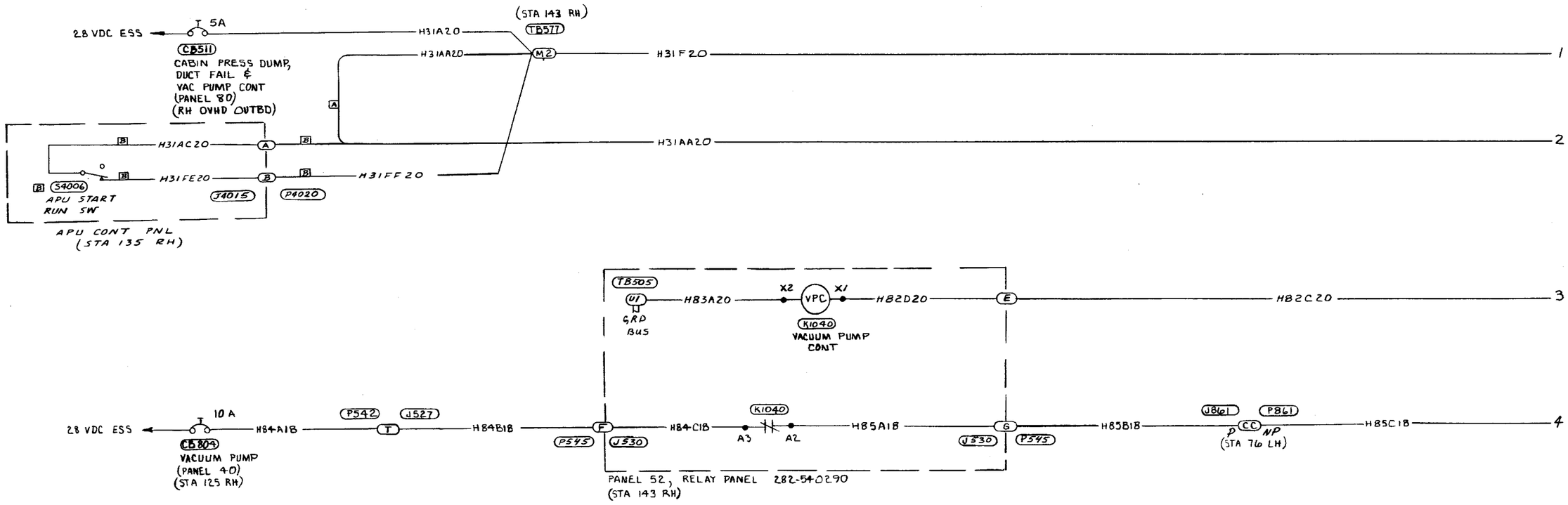

B 2. AIRPLANE CHANGED BY } S/B 71-5
A 1. AIRPLANE NOT CHANGED BY } APU SYSTEM

NOTES:

VACUUM PUMP SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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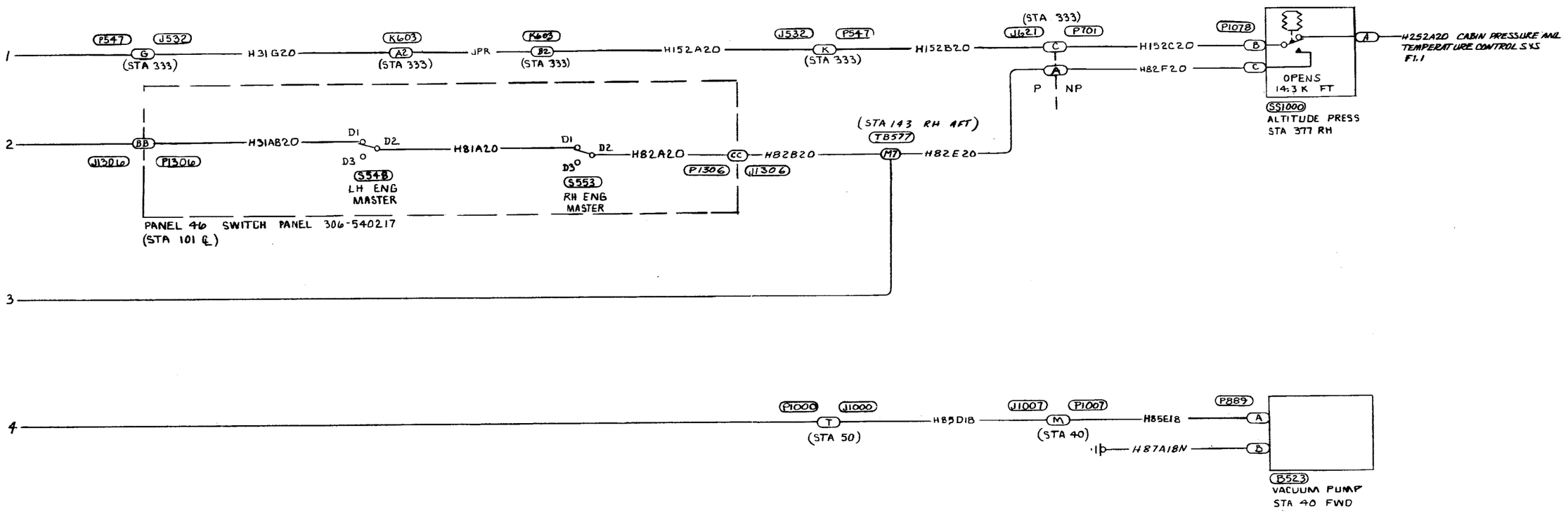

VACUUM PUMP SYSTEM
NA265-70, 370-1 and Subs
(Sheet 2 of 2)

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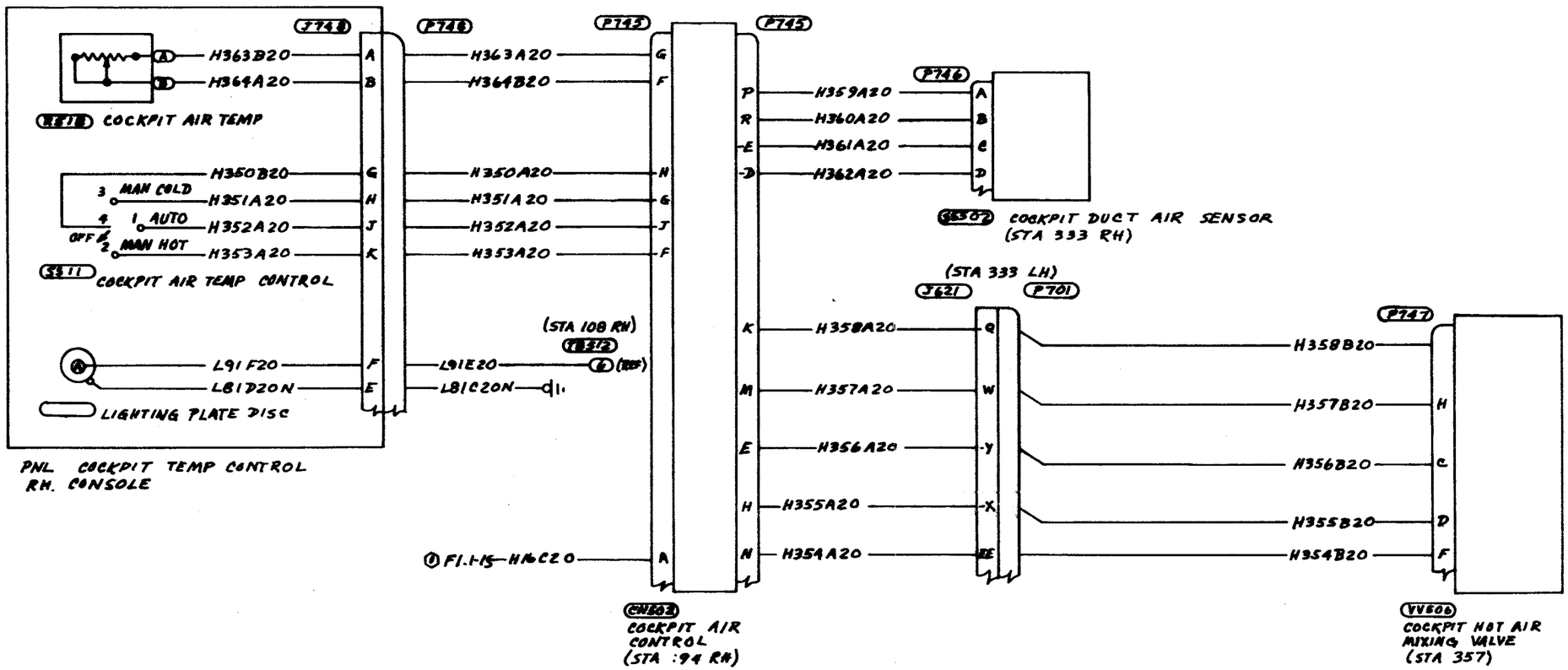

2. FOR SW & CAUTION LT HOOK-UP SEE (F3.1).
① 1. CABIN PRESS & TEMP CONT (F1.1).

NOTE:

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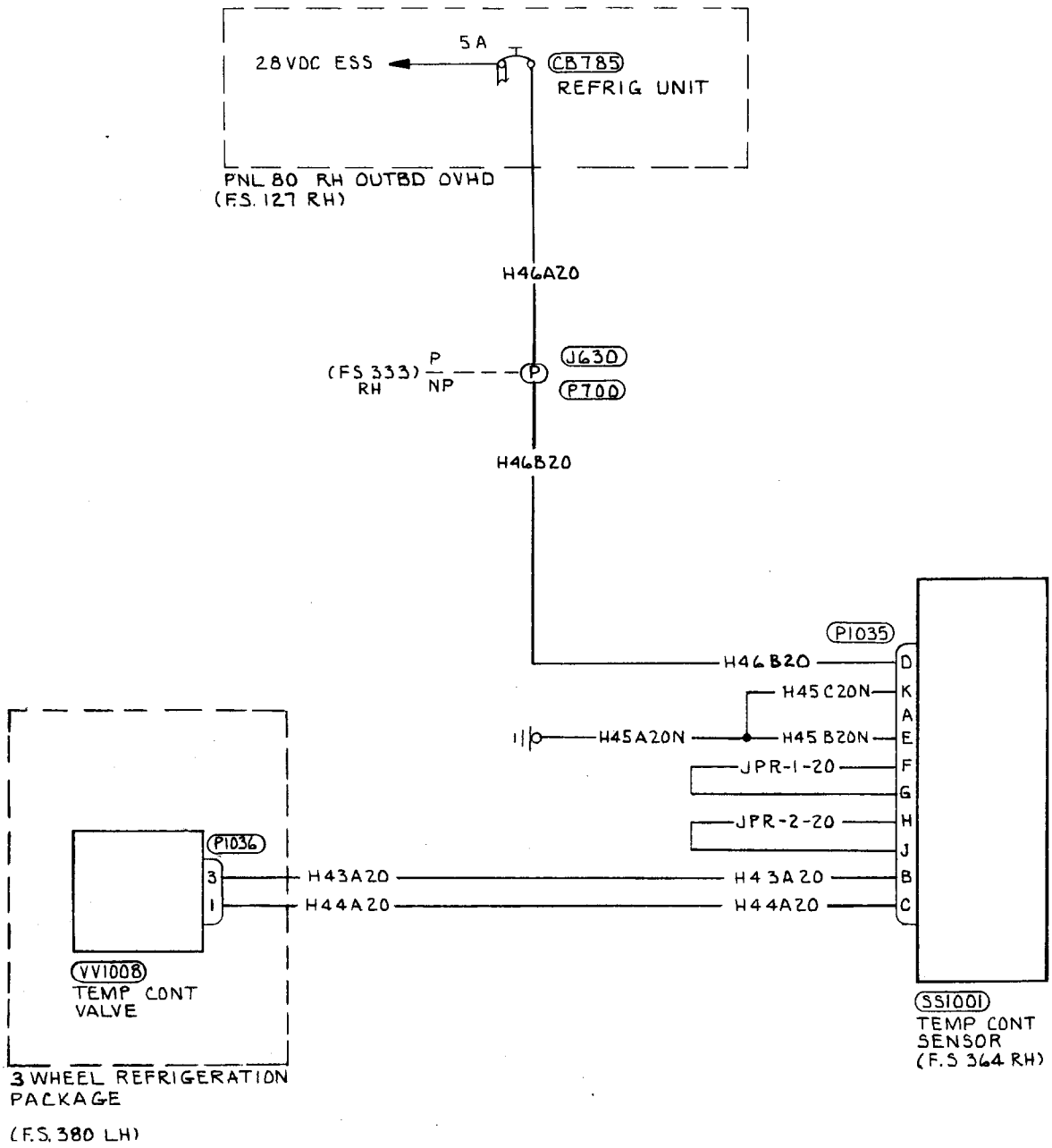

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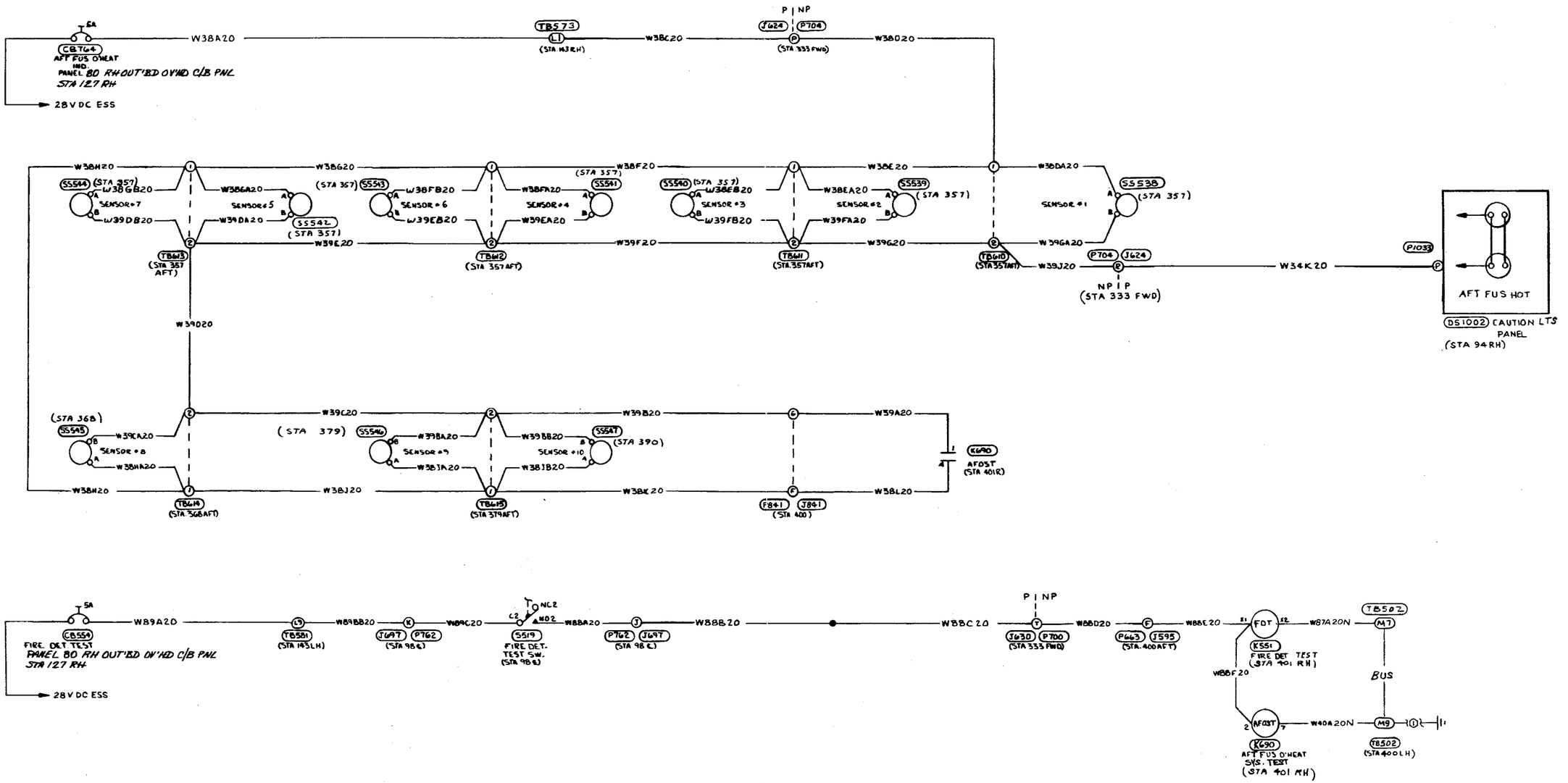

1. FOR DETAIL GROUND CIRCUIT SEE B7.1, ELECTRICAL GRD SYSTEM.

NOTES:

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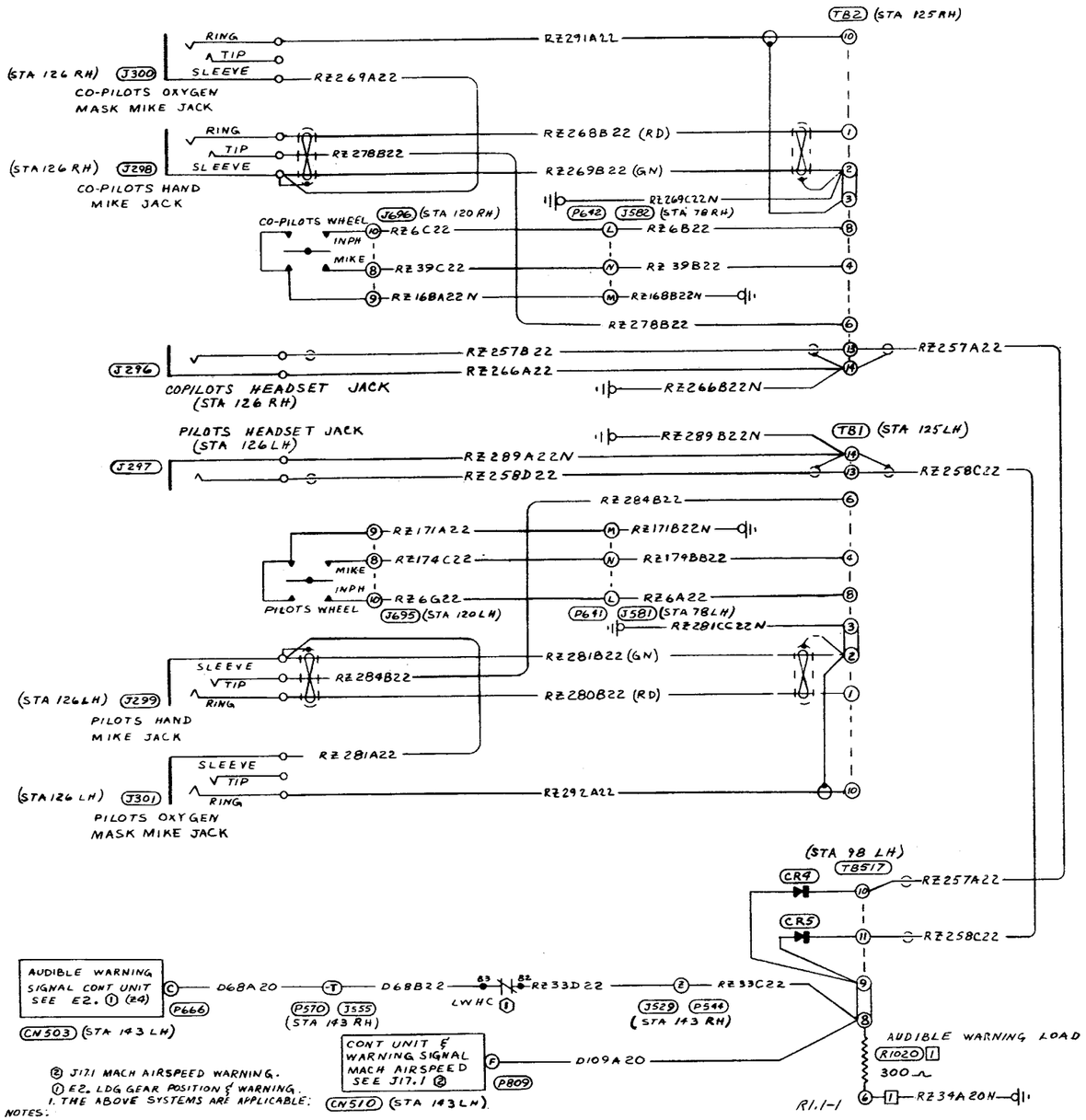
CHAPTER 23

COMMUNICATIONS



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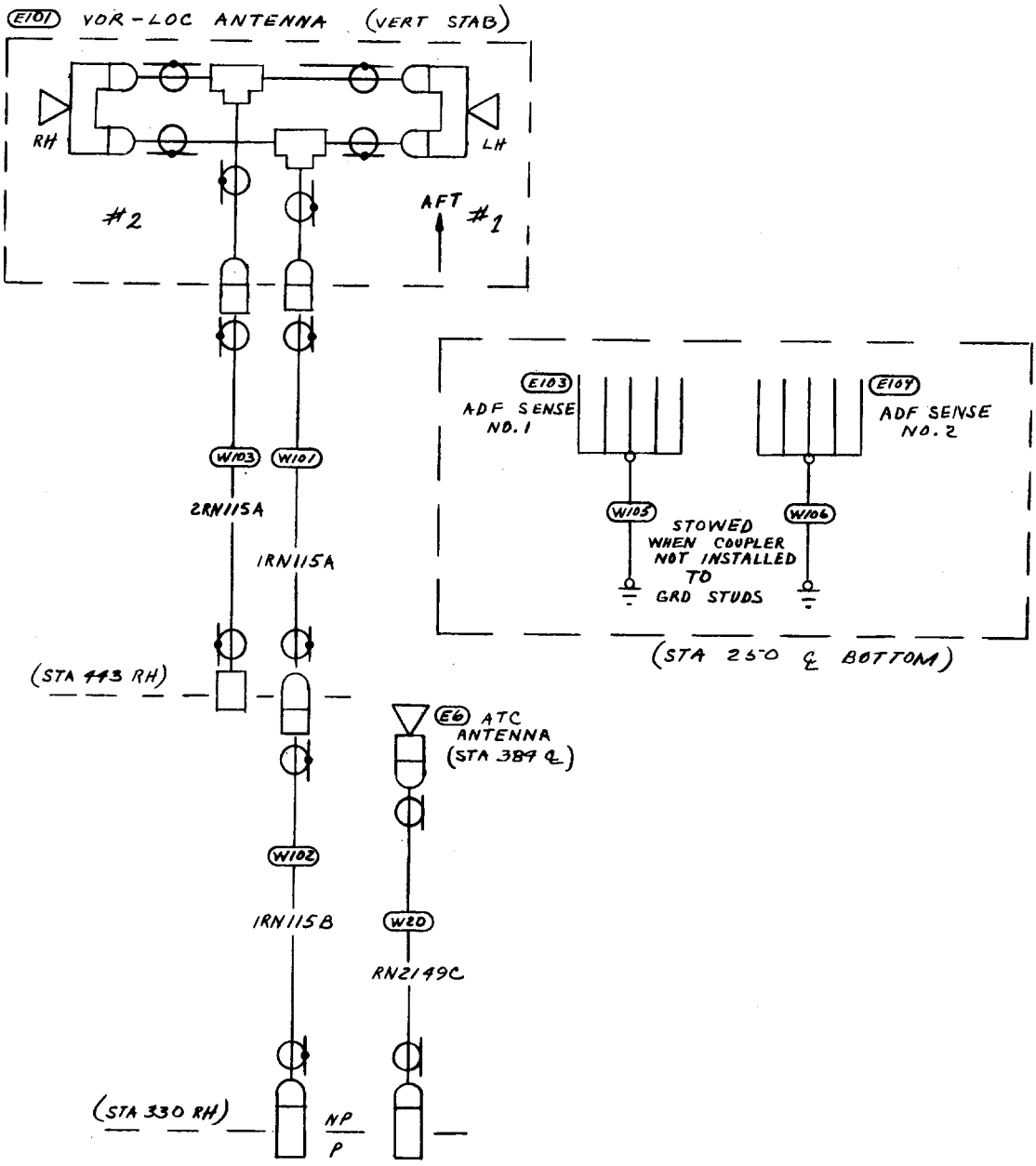

ANTENNA PROVISIONS
NA265-70, 370-1 thru 9

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CHAPTER 24

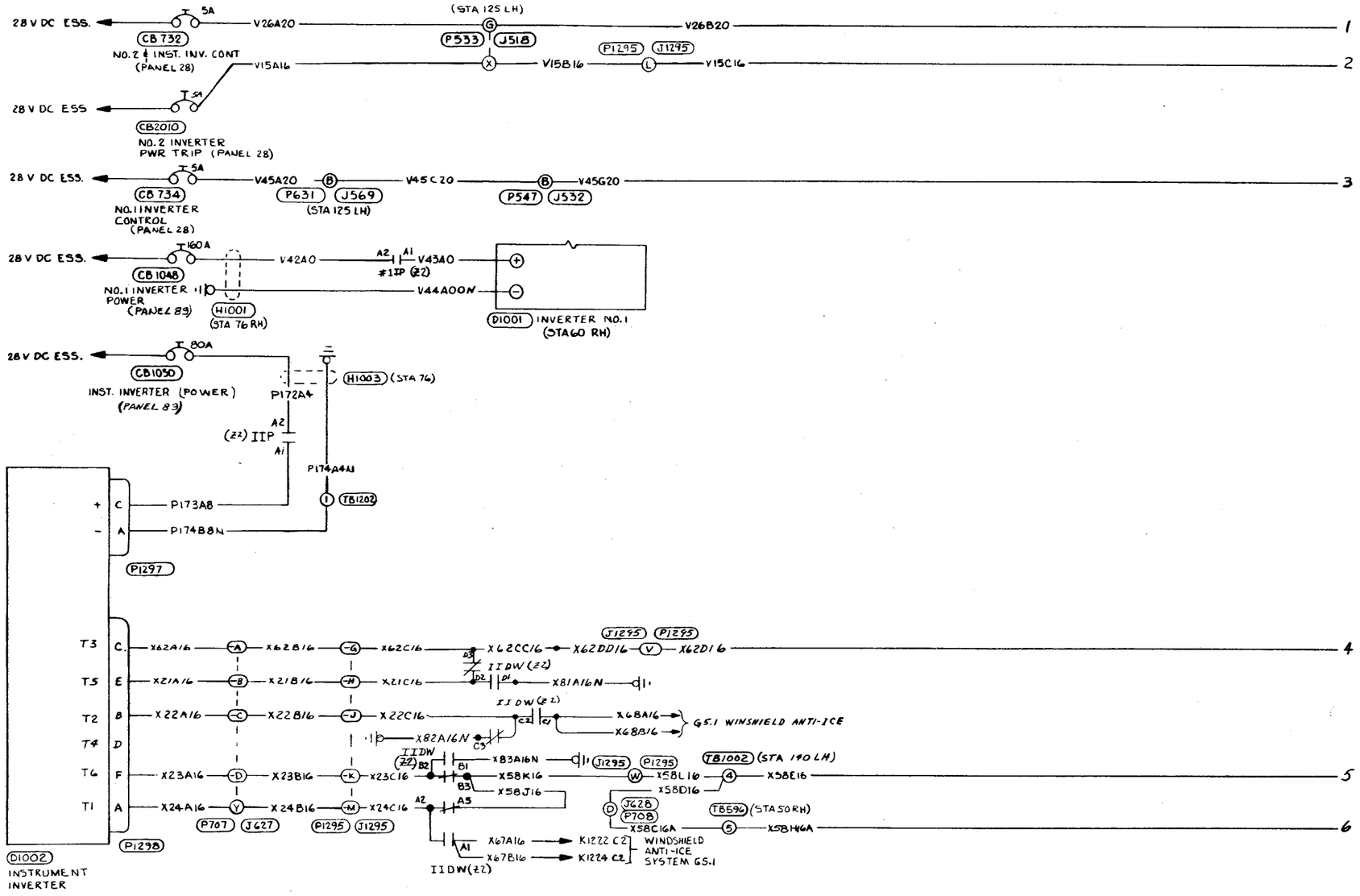
ELECTRICAL POWER

SUPPLEMENTARY LOCATION LIST
FOR LOCATIONS NOT SHOWN ON FACE OF DWG

ITEM NO.	DESCRIPTION	STA. LOCATION
PANEL 28	LH CONSOLE C/B PANEL	125 LH
PANEL 40	RH CONSOLE C/B PANEL	125 RH
PANEL 89	DC ESS BUS C/B PANEL OVHD COCKPIT	129 LH
P547	PLUG — (J532)	333
P708	PRESS DISC — (J628)	76
P1003	PLUG — PANEL DISC (J1003)	120 RH
P1005	PLUG — (J1005)	138 LH
P1014	PLUG — (J1014)	143 RH

NOTES/LEGEND

(1) 1. For actuation of Relay Contacts see B1.1-1 (Z3)
2. See applicable effectivity of systems listed below
Indicating and Warning System
E2.1 Landing Gear Position
B1.1-1 DC Generator System stem
B2.1 DC Bus Tie-in System
B5.1 AC Power Distribution System
B6.1 AC Instrument Power System
D6.1 Console Indirect Lighting System
R1.1-3 Electronic Flight Communications and Delivery Package
G5.1 Windshield Anti-ice System
(2) For actuation of Relay Contacts see B2.1 (Z3)
(3) Shown in schematic form for detail wiring see G5.1



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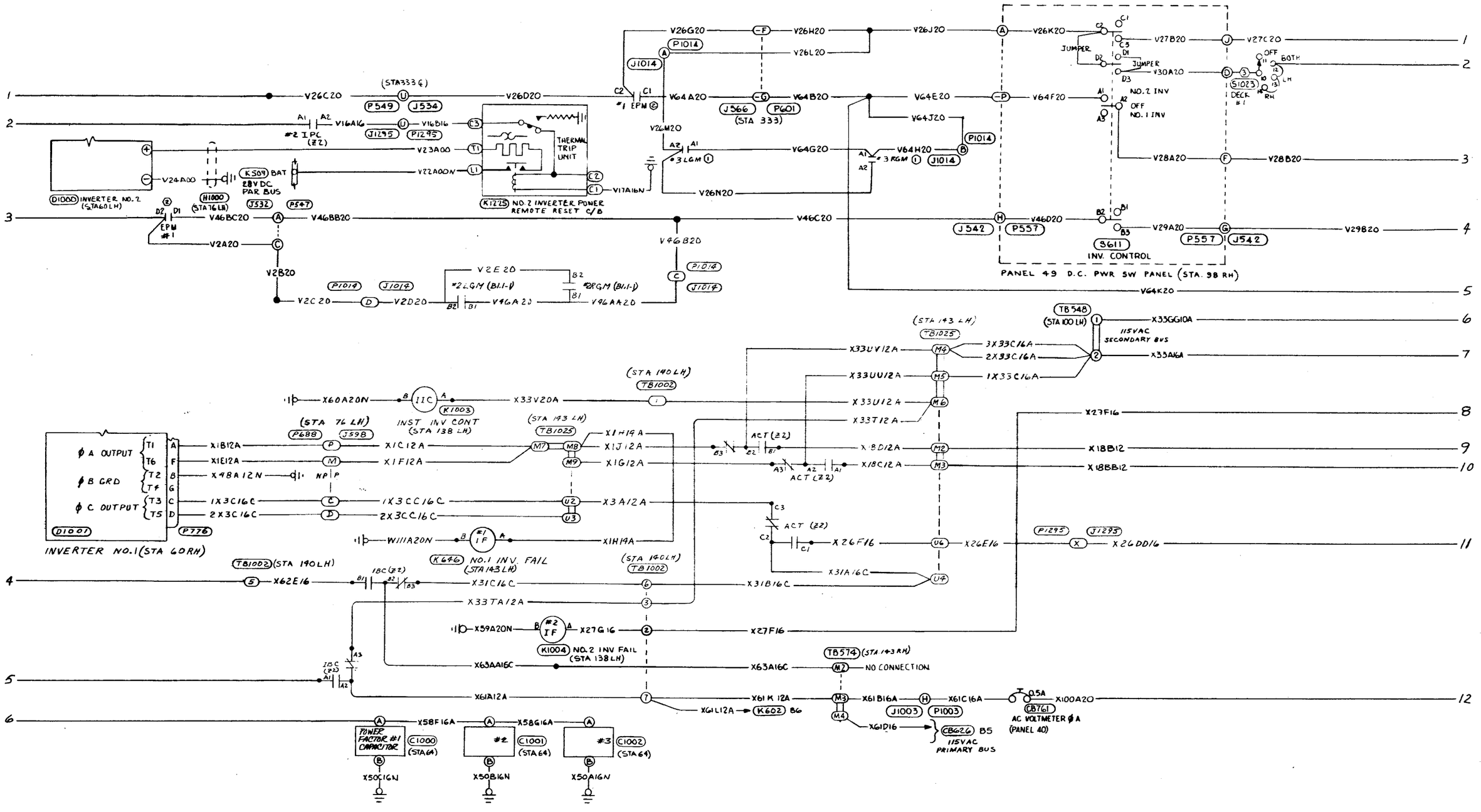

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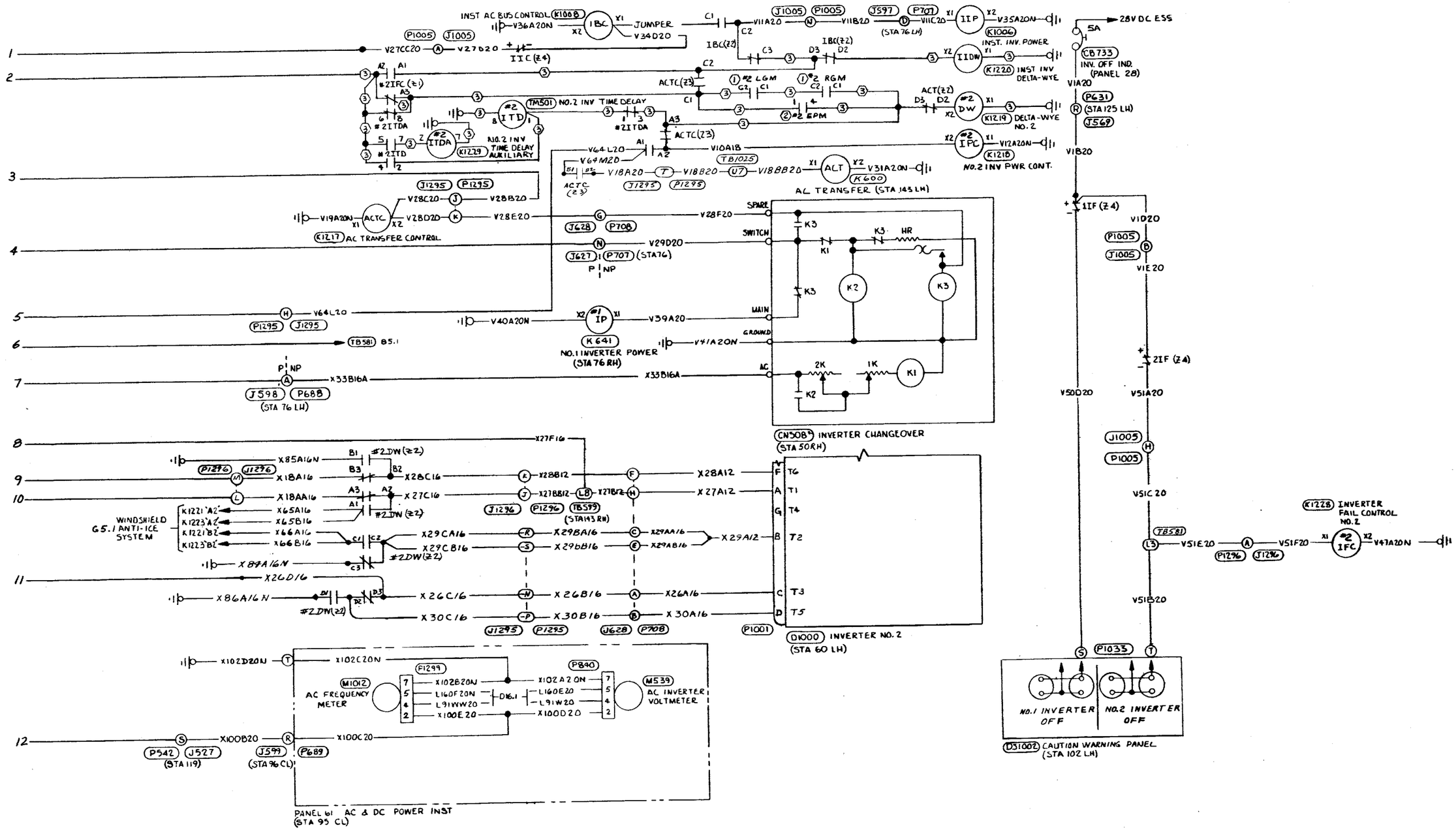

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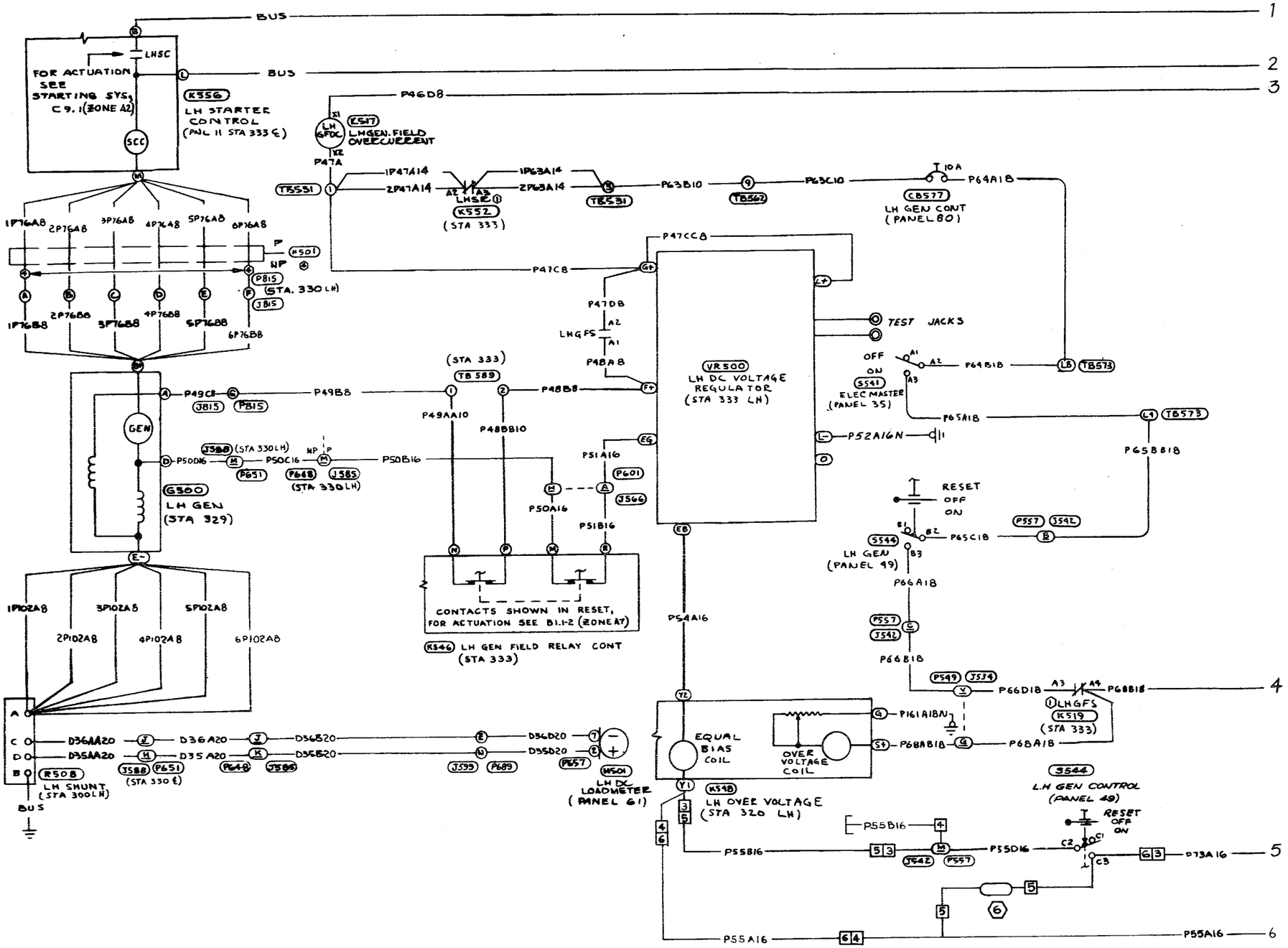

NOTES/LEGEND

1. FOR OPERATION OF THIS RELAY SEE ENGINE START SYS. C9.1.
2. SEE APPLICABLE EFFECTIVITY OF SYSTEMS LISTED BELOW B1-2 DC GENERATOR SYS (SHEET 2) B2 DC BUS TIE-IN SYS
3. FOR DETAIL GROUND CIRCUIT SEE ELECTRICAL GROUND SYSTEM (B7.1)
4. WIRES AND GLANDS FURNISHED WITH CABLE (W500)
5. WIRES AND GLANDS FURNISHED WITH CABLE (W501)
6. REFER TO S/B 88-2 TO IDENTIFY CONNECTOR (J542/P557) PINS USED DURING INSTALLATION OF IMPROVED EQUALIZER BUS MODIFICATION.

EFFECTIVITY

1. S/N 370-2 THRU -6 AIRPLANES CHANGED BY S/B 74-12
2. S/N 370-8 AND -9 AIRPLANES NOT CHANGED BY S/B 74-12
3. S/N 370-2 THRU -6 AIRPLANES NOT CHANGED BY SOK 82-15
4. S/N 370-2 THRU -6 AIRPLANES CHANGED BY SOK 82-15 ALSO S/N 370-8 & -9
5. S/N 370-2 THRU -9 CHANGED BY S/B 88-2
6. WIRE DELETED OR DISCONNECTED AND CAPPED ON AIRPLANES CHANGED BY S/B 88-2

MAJOR CHANGE

DC GENERATOR SYSTEM
NA 265-70, S/N 370-2 thru -6, -8 and -9
(Sheet 1 of 5)

B1.1-1	12	11	10	9

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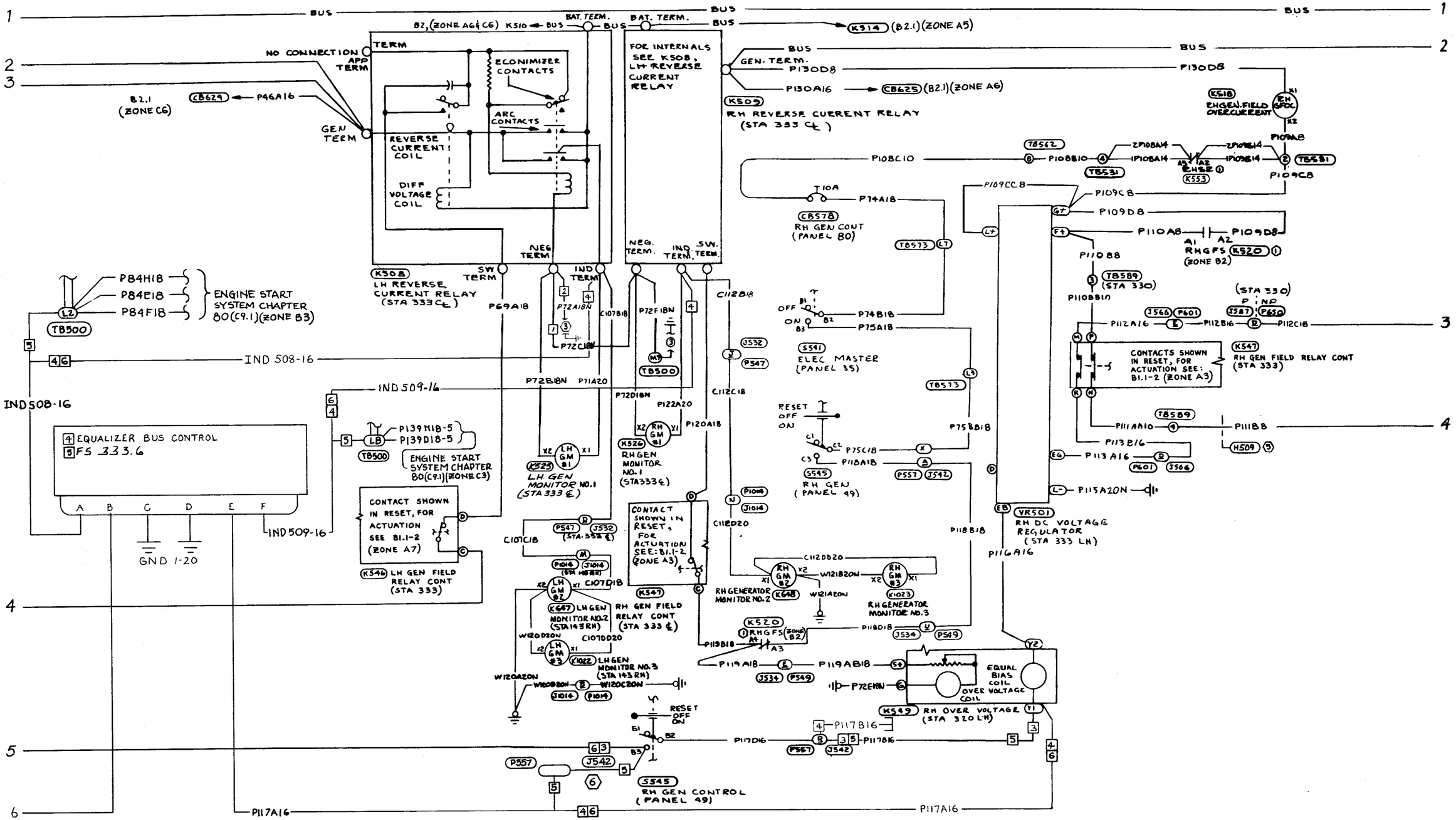

MAJOR CHANGE

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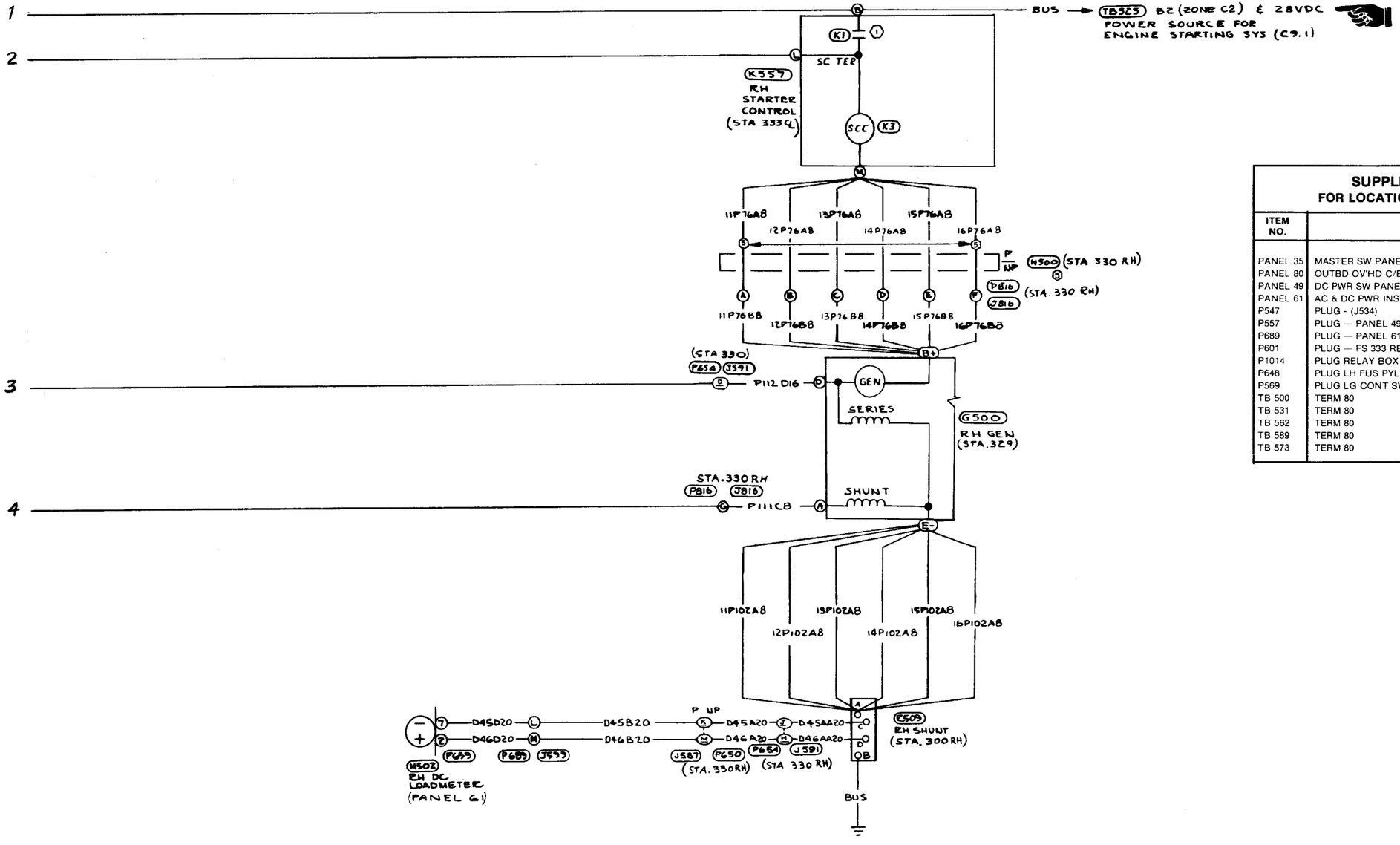

SUPPLEMENTARY LOCATION LIST
FOR LOCATIONS NOT SHOWN ON FACE OF DWG

ITEM NO.	DESCRIPTION	STA. LOCATION
PANEL 35	MASTER SW PANEL	110 ℄
PANEL 80	OUTBD OV'HD C/B PANEL	127 RH
PANEL 49	DC PWR SW PANEL	98 RH
PANEL 61	AC & DC PWR INSTRUMENTS	98 RH
P547	PLUG - (J534)	333 ℄
P557	PLUG — PANEL 49 (J542)	98 RH
P689	PLUG — PANEL 61 (J599)	96 LH
P601	PLUG — FS 333 RELAY BOX (J566)	333 LH
P1014	PLUG RELAY BOX (J1014)	143 RH
P648	PLUG LH FUS PYLON (J585)	330 LH
P569	PLUG LG CONT SW PNL (J554)	90 LH
TB 500	TERM 80	333
TB 531	TERM 80	333 ℄
TB 562	TERM 80	143 RH
TB 589	TERM 80	333
TB 573	TERM 80	143 RH

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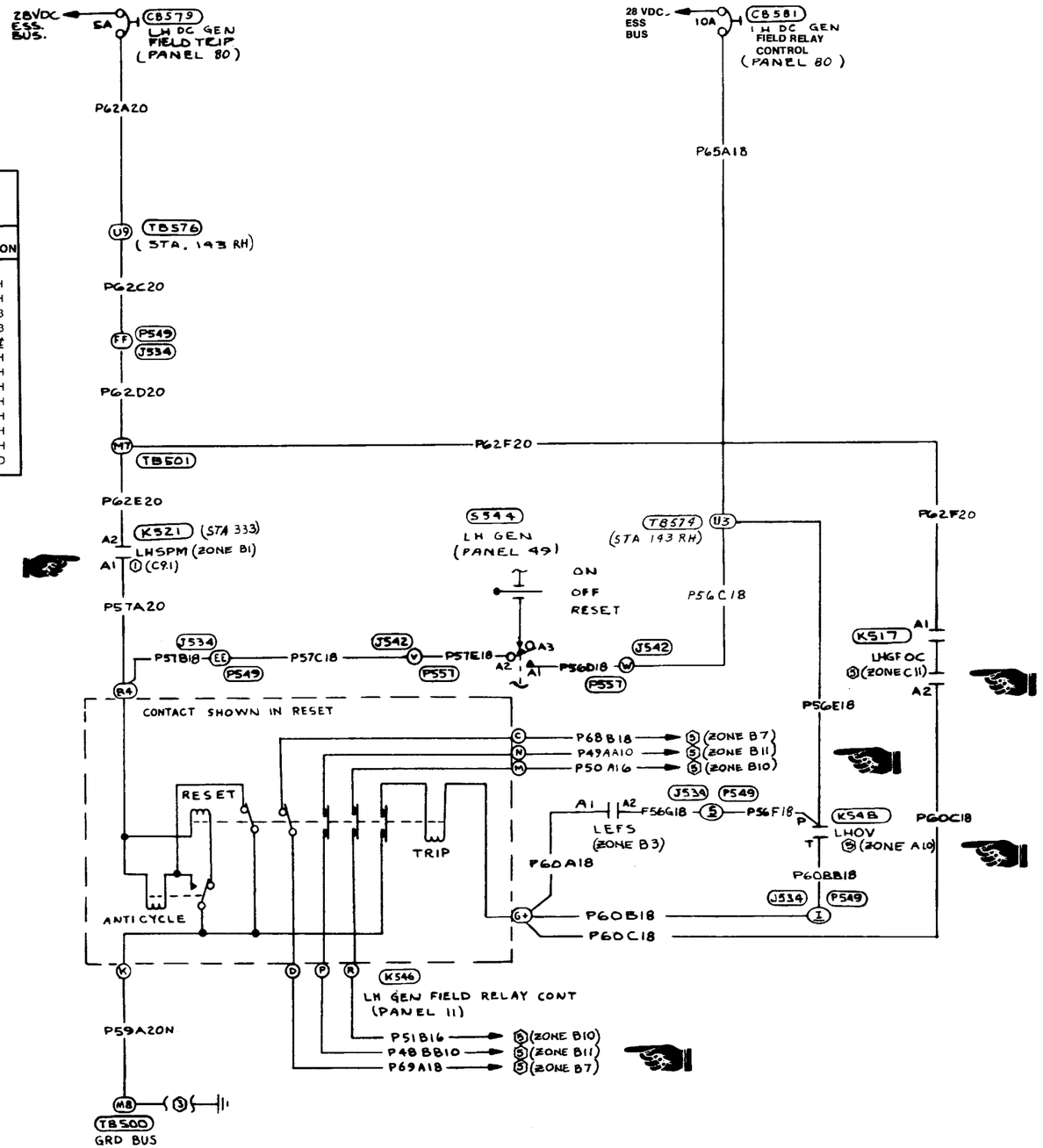
SUPPLEMENTARY LOCATION LIST
FOR LOCATIONS NOT SHOWN ON FACE OF DWG

ITEM NO.	DESCRIPTION	STA. LOCATION
PANEL 80	RH OUTBD OVHD C/B PNL	127 RH
PANEL 49	DC PWR SWITCH PANEL	98 RH
PANEL 11	MAIN DC PWR DIST & C/B BOX	333
PANEL 60	MAIN DC PWR DIST BOX — RELAY PNL	333
P549	PLUG — (J534)	333 ℄
P557	PLUG — PANEL 49 DOC (J542)	98 RH
P648	PLUG — (J585)	330 LH
P651	PLUG — (J588)	330 LH
P654	PLUG — (J591)	330 RH
P650	PLUG — (J587)	330 RH
P639	PLUG — LH ENG AUX. DISC (J580)	330 LH
P640 2	PLUG — RH ENG AUX. DISC (J580)	330 RH
TB501	TERM BD	333 FWD



NOTES/LEGEND

1. FOR OPERATION OF THIS RELAY SEE ENGINE STARTING AND IGNITION SYS
2. SHOWN IN SCHEMATIC FORM FOR CIRCUITRY ONLY. FOR DETAIL CIRCUIT SEE ENGINE FIRE EXTINGUISHER SYS (H4.1)
3. FOR DETAIL GROUND CIRCUIT SEE ELECTRICAL GROUND SYSTEM (B2.1)
4. SEE APPLICABLE EFFECTIVITY OF SYSTEMS ABOVE
5. B1.1-1 DC GENERATOR SYSTEM (SHEET 1)

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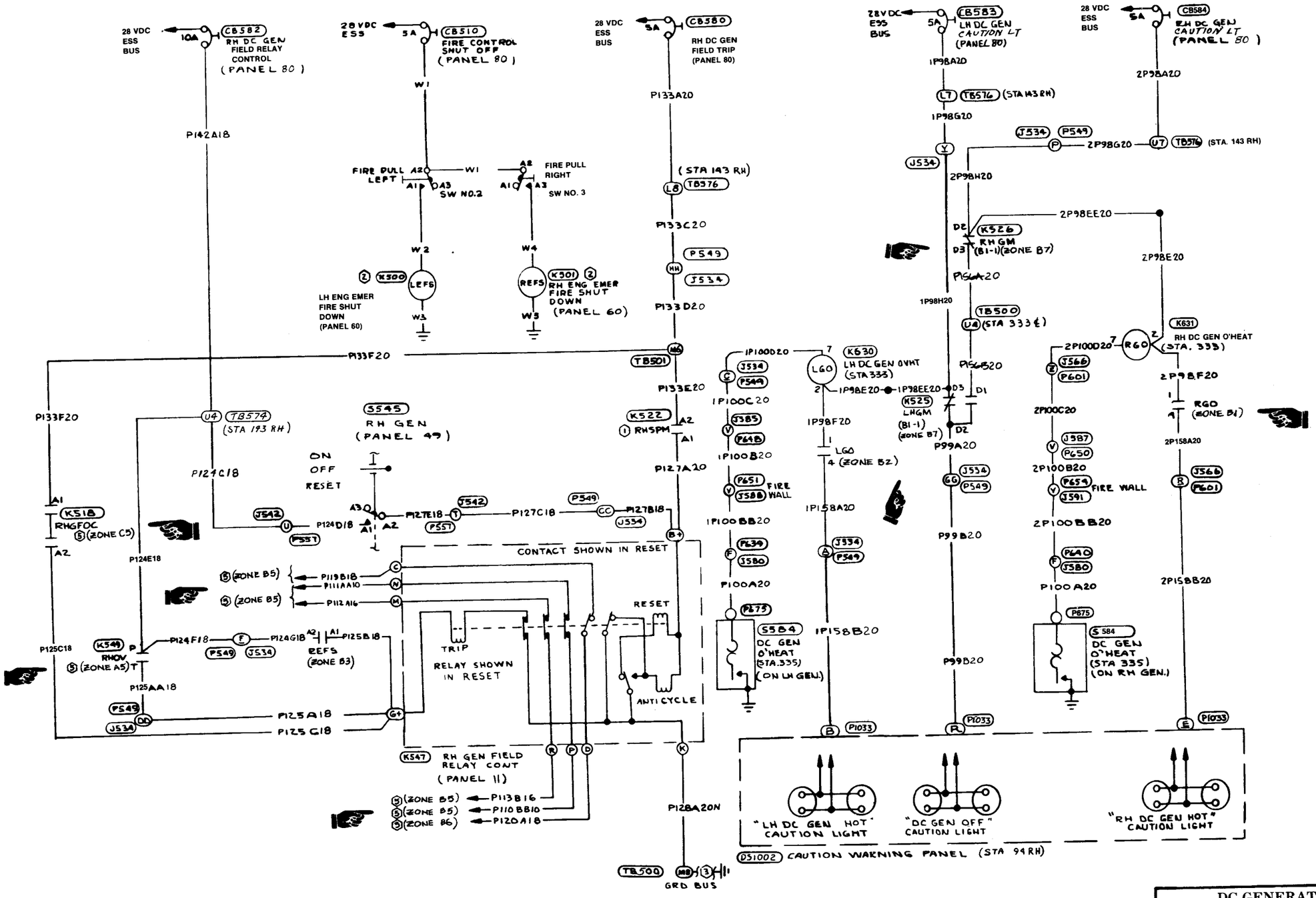

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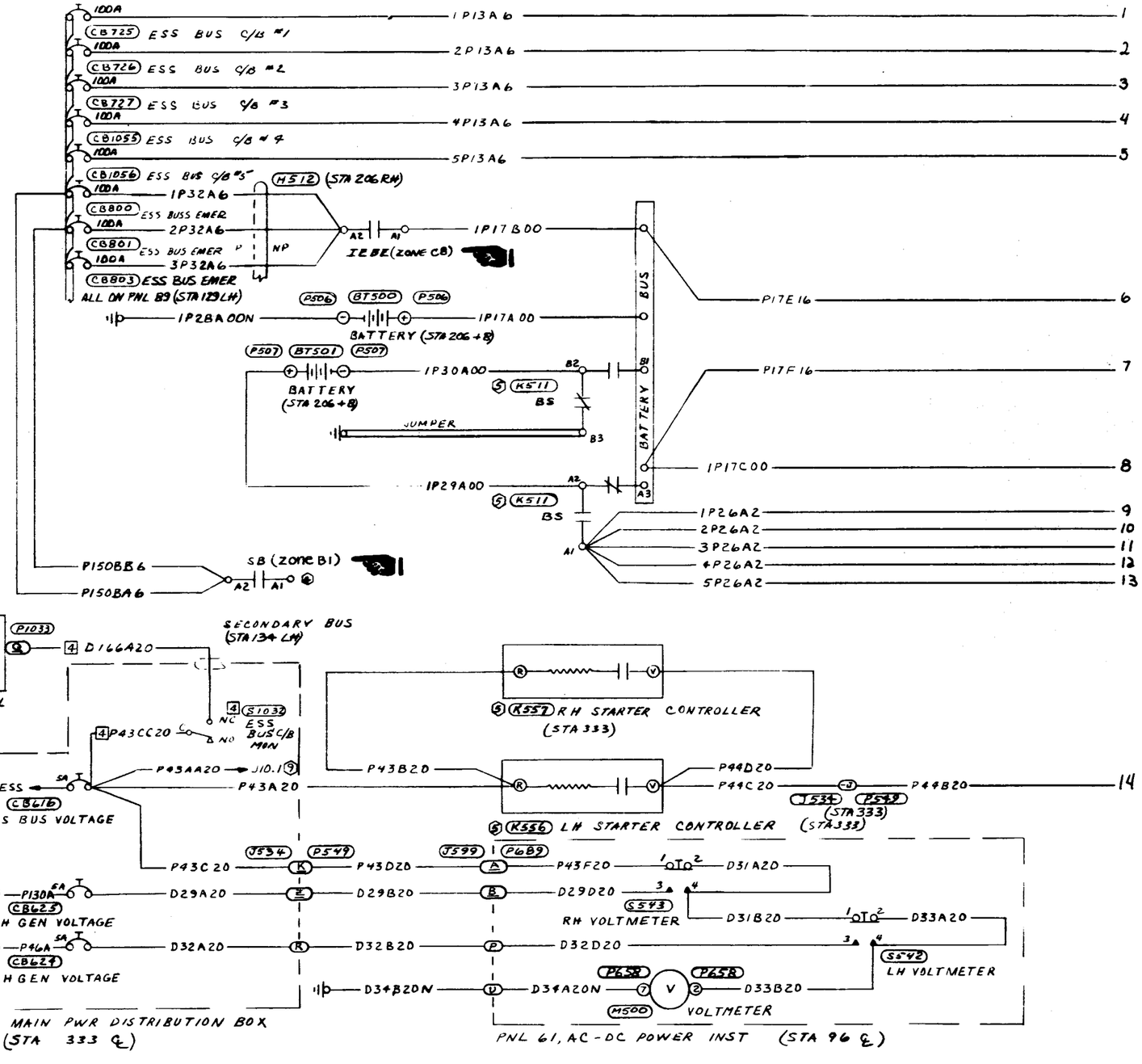
NOTES/LEGEND

1. FOR DETAIL GROUND CIRCUIT SEE B7.1
2. SEE SYSTEMS LISTED BELOW:
   - B1. DC GENERATOR SYSTEM
   - B3. DC POWER DISTRIBUTION SYSTEM
   - B7.1 ELECTRICAL GROUND SYSTEM
   - C9.1 ENGINE STARTING SYSTEM
   - E2.1 LANDING GEAR POSITION INDICATING AND WARNING SYSTEM
   - L6.1 HYDRAULIC PUMP SYSTEM
   - L7.1 STALL WARNING SYSTEM
   - J10.1 HOURMETER

EFFECTIVITY

[1] S/N 370-2 THRU -6, -8 AND -9
[2] S/N 370-1 AND -7
[3] S/N 370-1 THRU -9 CHANGED BY S/B 75-20



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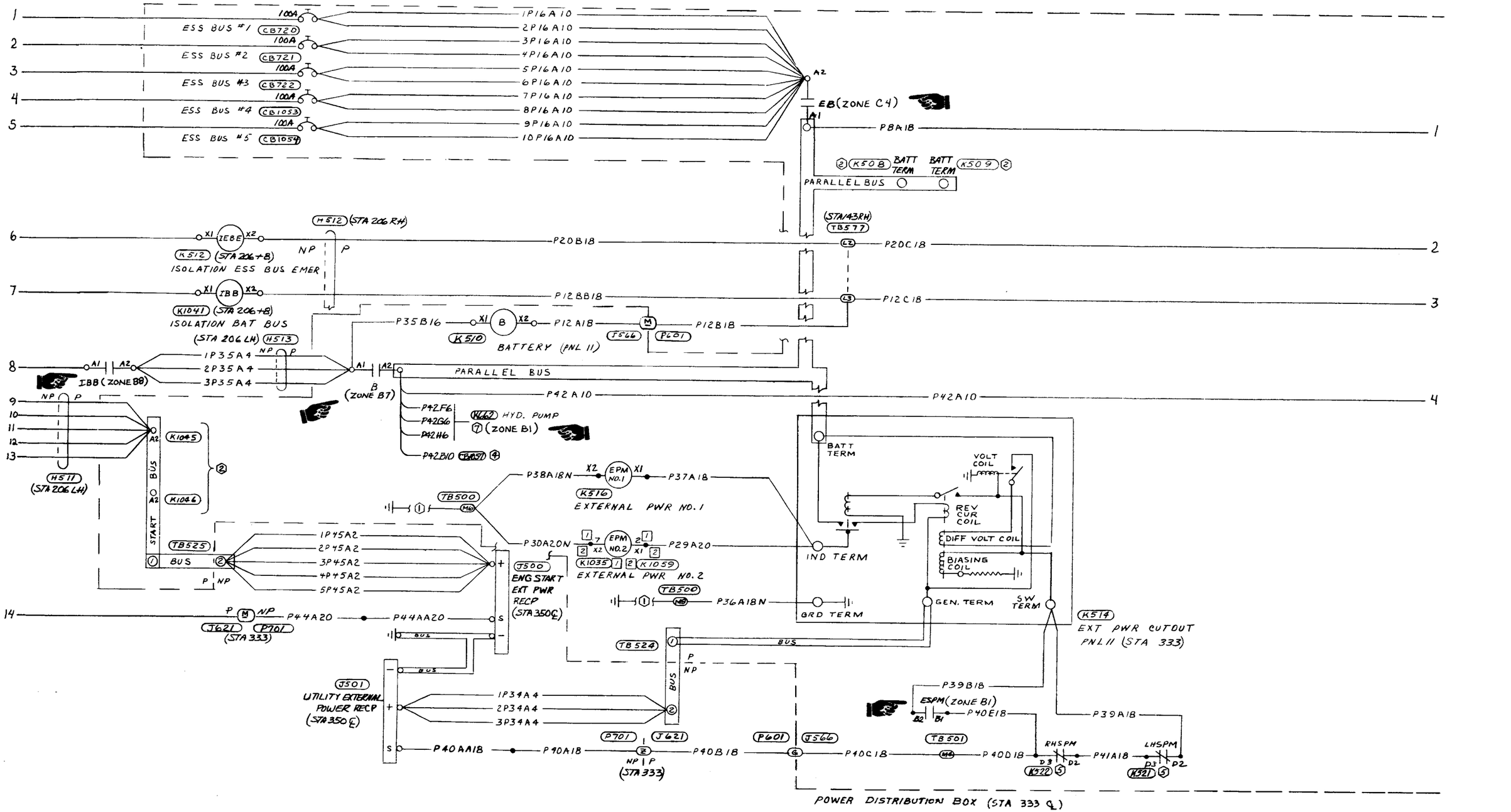

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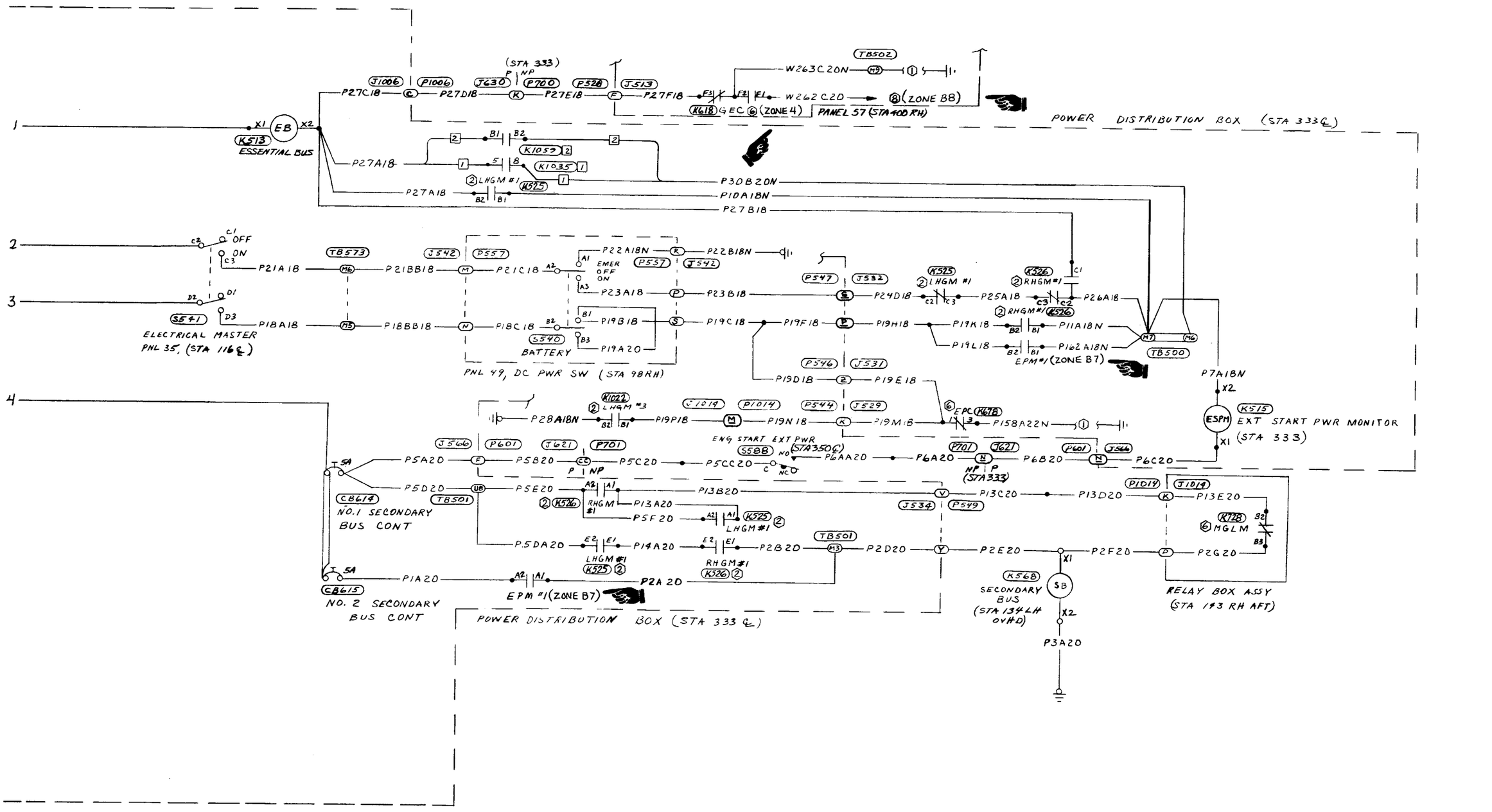

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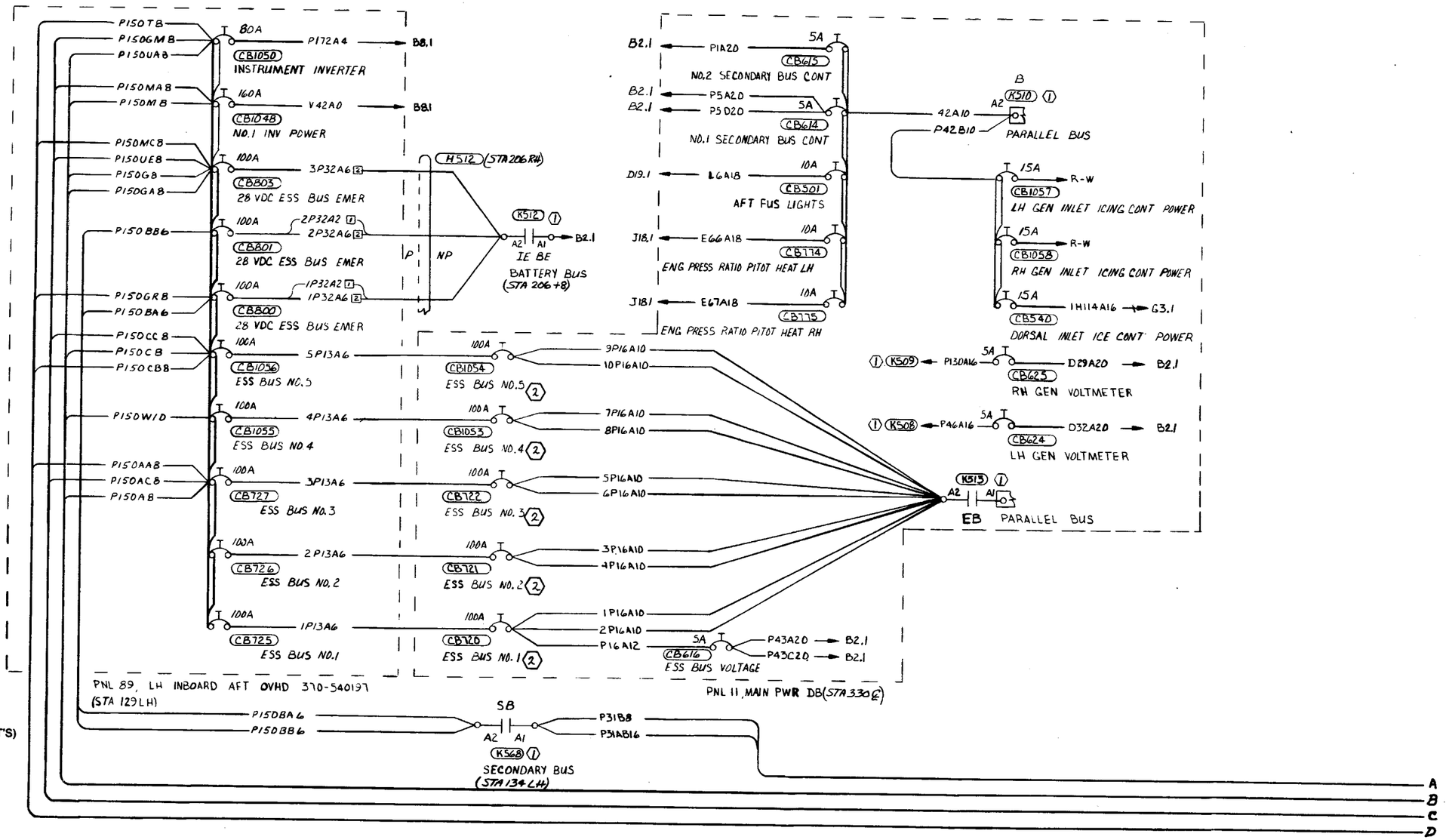

EFFECTIVITY

S/N 370-2 AND SUBS

NOTES/LEGEND

1. FOR ACTUATION OF RELAY CONTACTS, SEE B2.1
2. 140A IF S/B 11 ACCOMPLISHED
3. SEE SYSTEMS LISTED BELOW:

B1.1	DC GENERATOR SYSTEM
B2.1	DC BUS TIE-IN SYSTEM
B8.1	AC INVERTER SYSTEM
D19.1	AFT FUSELAGE COMPARTMENT LIGHT SYSTEM
J1.1	TURN AND SLIP INDICATORS (PILOT'S & CO-PILOT'S)
J17.1	MACH AIRSPEED WARNING SYSTEM
J18.1	ENGINE PRESSURE RATIO SYSTEM
L7.1	STALL WARNING SYSTEM
G3.1	RAM AIR INLET ANTI-ICE SYSTEM

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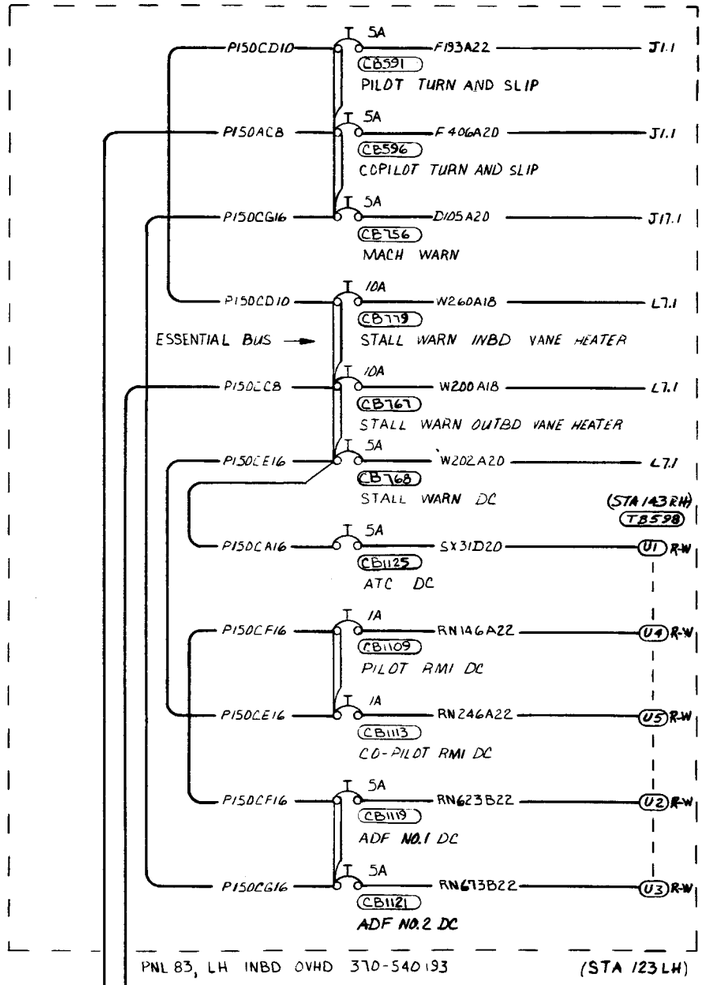

NOTES/LEGEND

1. FOR ACTUATION OF RELAY CONTACTS, SEE B2.1
2. 140A IF S/B 11 ACCOMPLISHED
3. SEE SYSTEMS LISTED BELOW:

B1.1 DC GENERATOR SYSTEM
B2.1 DC BUS TIE-IN SYSTEM
B8.1 AC INVERTER SYSTEM
D19.1 AFT FUSELAGE COMPARTMENT LIGHT SYSTEM
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J18.1 ENGINE PRESSURE RATIO SYSTEM
L7.1 STALL WARNING SYSTEM
G3.1 RAM AIR INLET ANTI-ICE SYSTEM

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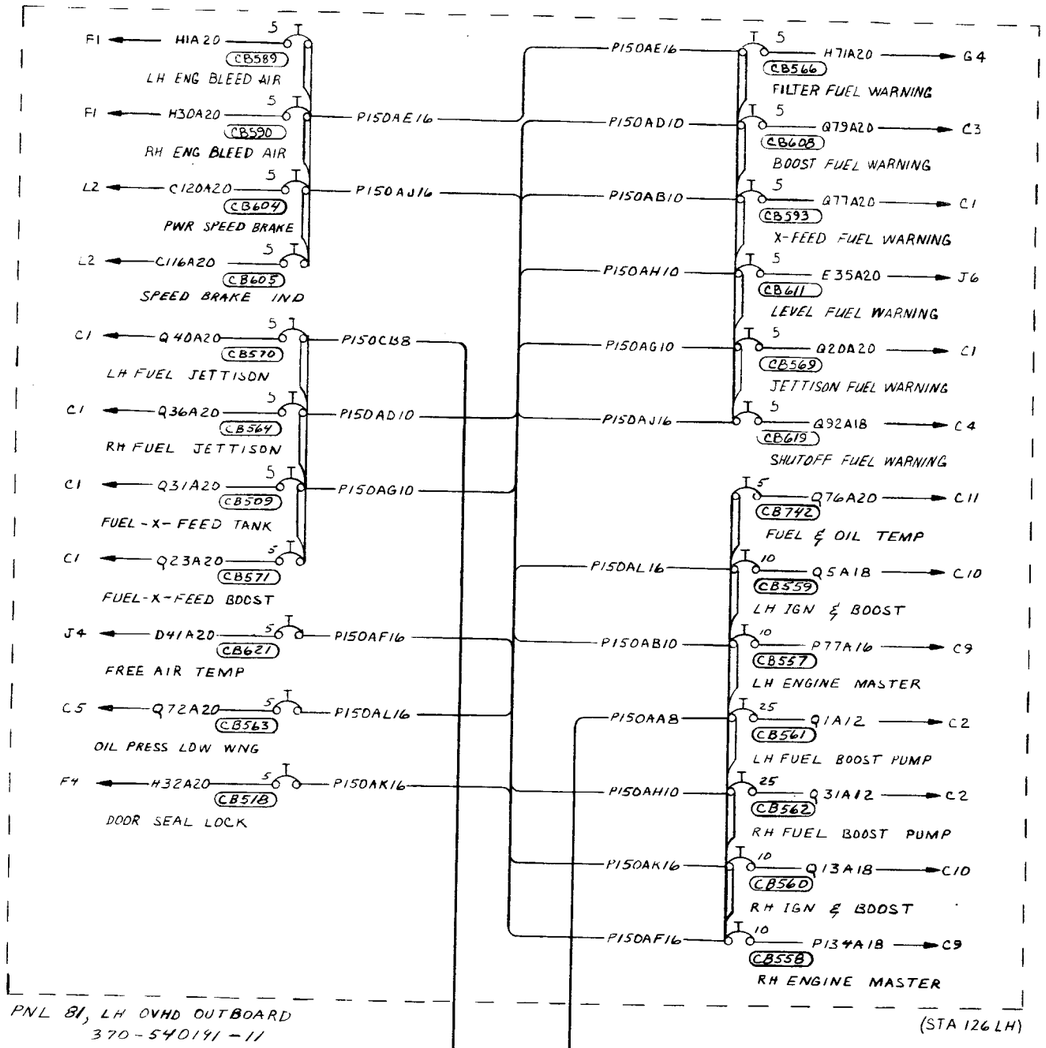
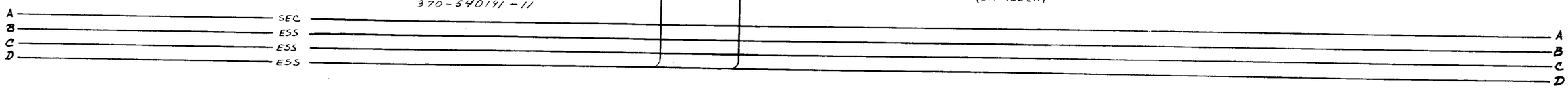
NOTES/LEGEND

SEE SYSTEMS LISTED BELOW:

B6.1	AC INSTRUMENT LIGHTING SYSTEM
B8.1	AC INVERTER SYSTEM
C1.1	FUEL JETTISON & CROSS FEED SYSTEMS
C2.1	FUEL BOOST SYSTEM
C3.1	FUEL BOOST WARNING SYSTEM
C4.1	FUEL SHUTOFF SYSTEM
C5.1	OIL PRESSURE LOW WARNING SYSTEM
C9.1	ENGINE STARTING SYSTEM
C10.1	ENGINE IGNITION SYSTEM
C11.1	FUEL AND OIL TEMPERATURE INDICATOR SYSTEM
E3	NOSE GEAR STEERING SYSTEM
F4.1	DOOR SEAL AND LOCK INDICATOR SYSTEM
G5.1	WINDSHIELD ANTI-ICE POWER SYSTEM
J2.1	TRIM POSITION INDICATOR SYSTEM
J3.1	FLAP POSITION INDICATOR SYSTEM
J4.1	FREE TEMPERATURE INDICATOR SYSTEM
J6.1	FUEL QUANTITY INDICATOR SYSTEM
L2.1	FLAP CONTROL AND POSITION INDICATING SYSTEMS
L3.1	SPEED BRAKE ACTUATION AND DUMP VALVE SYSTEM





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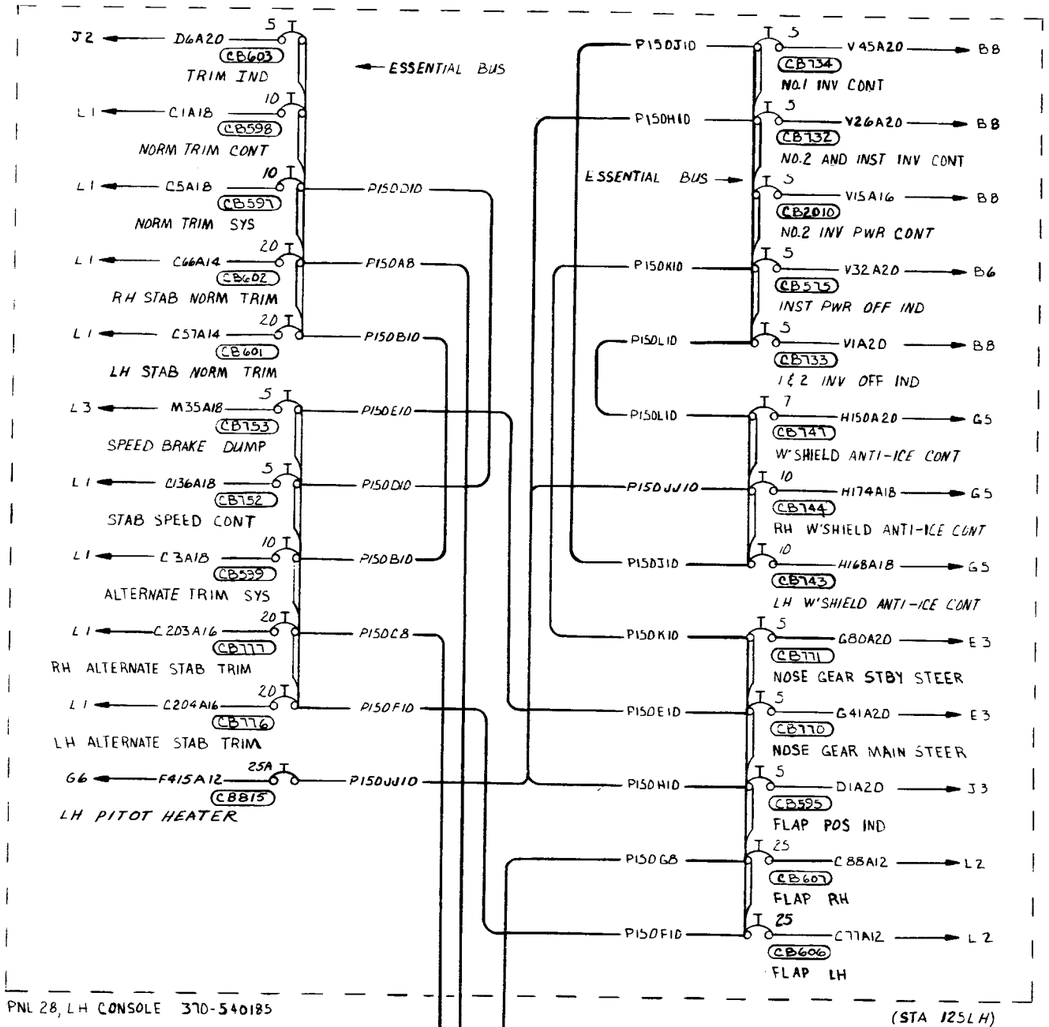
NOTES/LEGEND

SEE SYSTEMS LISTED BELOW:

B6.1 AC INSTRUMENT LIGHTING SYSTEM
B8.1 AC INVERTER SYSTEM
C1.1 FUEL JETTISON & CROSS FEED SYSTEMS
C2.1 FUEL BOOST SYSTEM
C3.1 FUEL BOOST WARNING SYSTEM
C4.1 FUEL SHUTOFF SYSTEM
C5.1 OIL PRESSURE LOW WARNING SYSTEM
C9.1 ENGINE STARTING SYSTEM
C10.1 ENGINE IGNITION SYSTEM
C11.1 FUEL AND OIL TEMPERATURE INDICATOR SYSTEM
E3 NOSE GEAR STEERING SYSTEM
F4.1 DOOR SEAL AND LOCK INDICATOR SYSTEM
G5.1 WINDSHIELD ANTI-ICE POWER SYSTEM
J2.1 TRIM POSITION INDICATOR SYSTEM
J3.1 FLAP POSITION INDICATOR SYSTEM
J4.1 FREE TEMPERATURE INDICATOR SYSTEM
J6.1 FUEL QUANTITY INDICATOR SYSTEM
L2.1 FLAP CONTROL AND POSITION INDICATING SYSTEMS
L3.1 SPEED BRAKE ACTUATION AND DUMP VALVE SYSTEM



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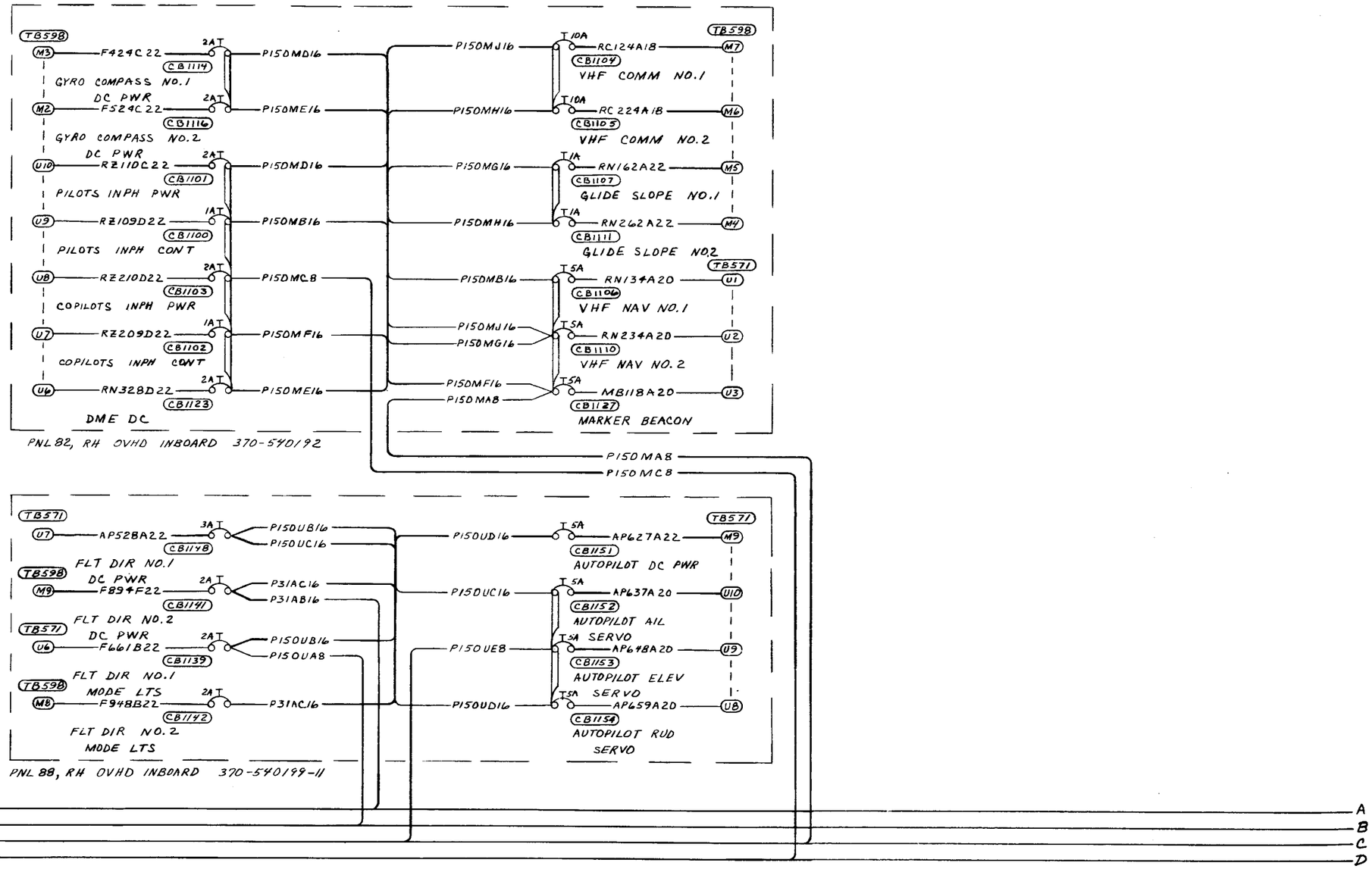
NOTES/LEGEND

1. APPLICABLE TO AIRPLANES COMPLYING WITH S/B 34

SEE SYSTEMS LISTED BELOW:

B1.1-1	DC GENERATOR SYSTEM
B1.1-2	DC GENERATOR SYSTEM
D1.1	EMERGENCY LIGHTING SYSTEM
D2.1	CAUTION WARNING, INDICATOR LIGHTS DIM & TEST, PASSENGER COMPARTMENT FLOOR STEP LIGHTING SYSTEM
D5.1	FLOOD LIGHT SYSTEM
D8.1	PASSENGER DOME, COAT & BAGGAGE COMPARTMENT LIGHTING SYSTEM
D9.1	THUNDERSTORM LIGHTS SYSTEM
D10.1	COCKPIT DOME, MAP & UTILITY LIGHTING SYSTEM
D20.1	LANDING & TAXI LIGHTS SYSTEM
D21.1	POSITION & ANTI-COLLISION LIGHTS SYSTEM
E1	LANDING GEAR CONTROL SYSTEM
E2.1	LANDING GEAR POSITION INDICATING & WARNING SYSTEM
E4.1	MAIN LANDING GEAR ANTI-SKID SYSTEM
F1.1	CABIN PRESSURE & TEMPERATURE CONTROL AND WARNING
F5.1	AFT FUSELAGE OVERHEAT INDICATING SYSTEM
G6.1	PITOT HEAT SYSTEM
G10.1	FOOT HEATER SYSTEM
H1.1	CABIN PRESSURE, WARNING SIGNS, OXYGEN FLOW & OXYGEN PRESSURE SYSTEMS
H3.1	ENGINE FIRE DETECTOR SYSTEM
H4.1	ENGINE FIRE EXTINGUISHER SYSTEM
H6.1	PASSENGER COMPARTMENT SIGNS
J8.1	THRUST REVERSER INDICATING SYSTEM
K1.1	WINDSHIELD WIPER SYSTEM
K3.1	ENGINE THRUST REVERSER CONTROL SYSTEM



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NOTES/LEGEND

1. APPLICABLE TO AIRPLANES COMPLYING WITH S/B 34 SEE SYSTEMS LISTED BELOW:

B1.1-1	DC GENERATOR SYSTEM
B1.1-2	DC GENERATOR SYSTEM
D1.1	EMERGENCY LIGHTING SYSTEM
D2.1	CAUTION WARNING, INDICATOR LIGHTS DIM & TEST, PASSENGER COMPARTMENT FLOOR STEP LIGHTING SYSTEM
D5.1	FLOOD LIGHT SYSTEM
D8.1	PASSENGER DOME, COAT & BAGGAGE COMPARTMENT LIGHTING SYSTEM
D9.1	THUNDERSTORM LIGHTS SYSTEM
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D20.1	LANDING & TAXI LIGHTS SYSTEM
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E1	LANDING GEAR CONTROL SYSTEM
E2.1	LANDING GEAR POSITION INDICATING & WARNING SYSTEM
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F1.1	CABIN PRESSURE & TEMPERATURE CONTROL AND WARNING
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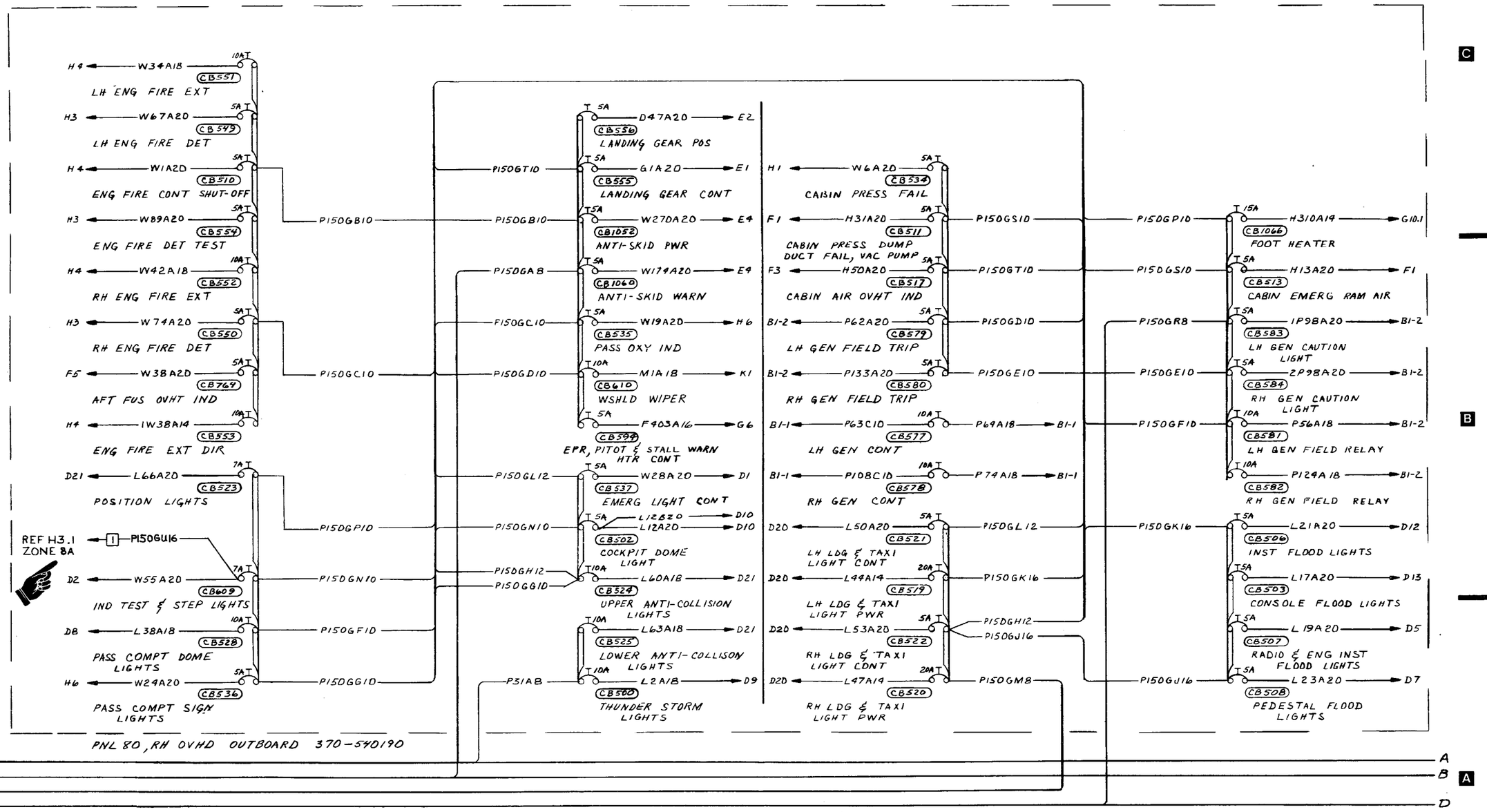
G6.1	PITOT HEAT SYSTEM
G10.1	FOOT HEATER SYSTEM
H1.1	CABIN PRESSURE, WARNING SIGNS, OXYGEN FLOW & OXYGEN PRESSURE SYSTEMS
H3.1	ENGINE FIRE DETECTOR SYSTEM
H4.1	ENGINE FIRE EXTINGUISHER SYSTEM
H6.1	PASSENGER COMPARTMENT SIGNS
J8.1	THRUST REVERSER INDICATING SYSTEM
K1.1	WINDSHIELD WIPER SYSTEM
K3.1	ENGINE THRUST REVERSER CONTROL SYSTEM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H3 W67A20 5A CB549 LH ENG FIRE DET
H4 W1A20 5A CB510 ENG FIRE CONT SHUT-OFF
H3 W89A20 5A CB554 ENG FIRE DET TEST
H4 W42A18 10A CB552 RH ENG FIRE EXT
H3 W74A20 5A CB550 RH ENG FIRE DET
F5 W38A20 5A CB769 AFT FUS OVHT IND
H4 W38A14 10A CB553 ENG FIRE EXT DIR
D21 L66A20 7A CB523 POSITION LIGHTS
REF H3.1 ZONE 8A
D2 W55A20 7A CB609 IND TEST & STEP LIGHTS
D8 L38A18 10A CB528 PASS COMPT DOME LIGHTS
H6 W24A20 5A CB536 PASS COMPT SIGN LIGHTS
P150GB10
P150GC10
P150GP10
P150GN10
P150GF10
P150GG10
P150GT10
P150GA8
P150GL12
P150GH12
P150GG10
P31AB
D47A20 5A CB556 LANDING GEAR POS
G1A20 5A CB555 LANDING GEAR CONT
W27DA20 5A CB1052 ANTI-SKID PWR
W17A20 5A CB1060 ANTI-SKID WARN
W19A20 5A CB535 PASS OXY IND
M1A18 10A CB610 WSHLD WIPER
F903A16 5A CB594 EPR, PITOT & STALL WARN HTR CONT
W28A20 5A CB537 EMERG LIGHT CONT
L12B20 5A CB502 L12A20 COCKPIT DOME LIGHT
L60A18 10A CB524 UPPER ANTI-COLLISION LIGHTS
L63A18 10A CB525 LOWER ANTI-COLLISON LIGHTS
L2A18 10A CB500 THUNDER STORM LIGHTS
W6A20 5A CB534 CABIN PRESS FAIL
H31A20 5A CB511 CABIN PRESS DUMP DUCT FAIL, VAC PUMP
H50A20 5A CB517 CABIN AIR OVHT IND
P62A20 5A CB579 LH GEN FIELD TRIP
P133A20 5A CB580 RH GEN FIELD TRIP
P63C10 10A CB577 LH GEN CONT
P108C10 10A CB578 RH GEN CONT
L50A20 5A CB521 LH LDG & TAXI LIGHT CONT
L49A19 20A CB519 LH LDG & TAXI LIGHT PWR
L53A20 5A CB522 RH LDG & TAXI LIGHT CONT
L47A19 20A CB520 RH LDG & TAXI LIGHT PWR
P150GS10
P150GD10
P150GE10
P150GH12
P150GM8
P69A18 B1-1
P74A18 B1-1
P150GR8
P150GK16
P150GJ16
H310A19 15A CB1066 FOOT HEATER
H13A20 5A CB513 CABIN EMERG RAM AIR
1P98A20 5A CB583 LH GEN CAUTION LIGHT
2P98A20 5A CB584 RH GEN CAUTION LIGHT
P56A18 10A CB581 LH GEN FIELD RELAY
P129A18 10A CB582 RH GEN FIELD RELAY
L21A20 5A CB506 INST FLOOD LIGHTS
L17A20 5A CB503 CONSOLE FLOOD LIGHTS
L19A20 5A CB507 RADIO & ENG INST FLOOD LIGHTS
L23A20 5A CB508 PEDESTAL FLOOD LIGHTS
PNL 80, RH OVHD OUTBOARD 370-540190
A
B
C
D

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C

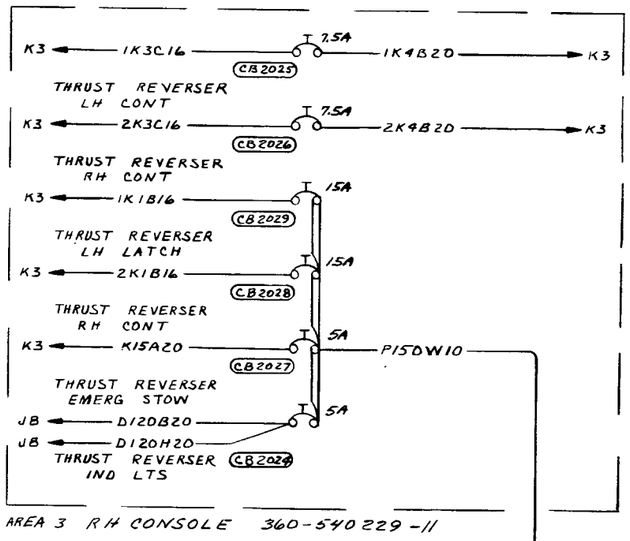
NOTES/LEGEND

1. APPLICABLE TO AIRPLANES COMPLYING WITH S/B 34

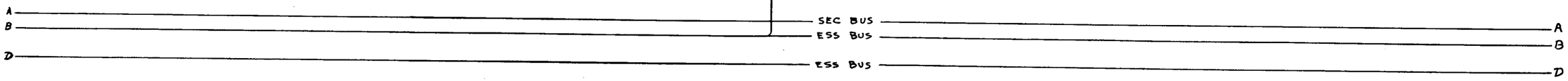
SEE SYSTEMS LISTED BELOW:

B1.1-1	DC GENERATOR SYSTEM
B1.1-2	DC GENERATOR SYSTEM
D1.1	EMERGENCY LIGHTING SYSTEM
D2.1	CAUTION WARNING, INDICATOR LIGHTS DIM & TEST, PASSENGER COMPARTMENT FLOOR STEP LIGHTING SYSTEM
D5.1	FLOOD LIGHT SYSTEM
D8.1	PASSENGER DOME, COAT & BAGGAGE COMPARTMENT LIGHTING SYSTEM
D9.1	THUNDERSTORM LIGHTS SYSTEM
D10.1	COCKPIT DOME, MAP & UTILITY LIGHTING SYSTEM
D20.1	LANDING & TAXI LIGHTS SYSTEM
D21.1	POSITION & ANTI-COLLISION LIGHTS SYSTEM
E1	LANDING GEAR CONTROL SYSTEM
E2.1	LANDING GEAR POSITION INDICATING & WARNING SYSTEM
E4.1	MAIN LANDING GEAR ANTI-SKID SYSTEM
F1.1	CABIN PRESSURE & TEMPERATURE CONTROL AND WARNING
F5.1	AFT FUSELAGE OVERHEAT INDICATING SYSTEM
G6.1	PITOT HEAT SYSTEM
G10.1	FOOT HEATER SYSTEM
H1.1	CABIN PRESSURE, WARNING SIGNS, OXYGEN FLOW & OXYGEN PRESSURE SYSTEMS
H3.1	ENGINE FIRE DETECTOR SYSTEM
H4.1	ENGINE FIRE EXTINGUISHER SYSTEM
H6.1	PASSENGER COMPARTMENT SIGNS
J8.1	THRUST REVERSER INDICATING SYSTEM
K1.1	WINDSHIELD WIPER SYSTEM
K3.1	ENGINE THRUST REVERSER CONTROL SYSTEM

B



A



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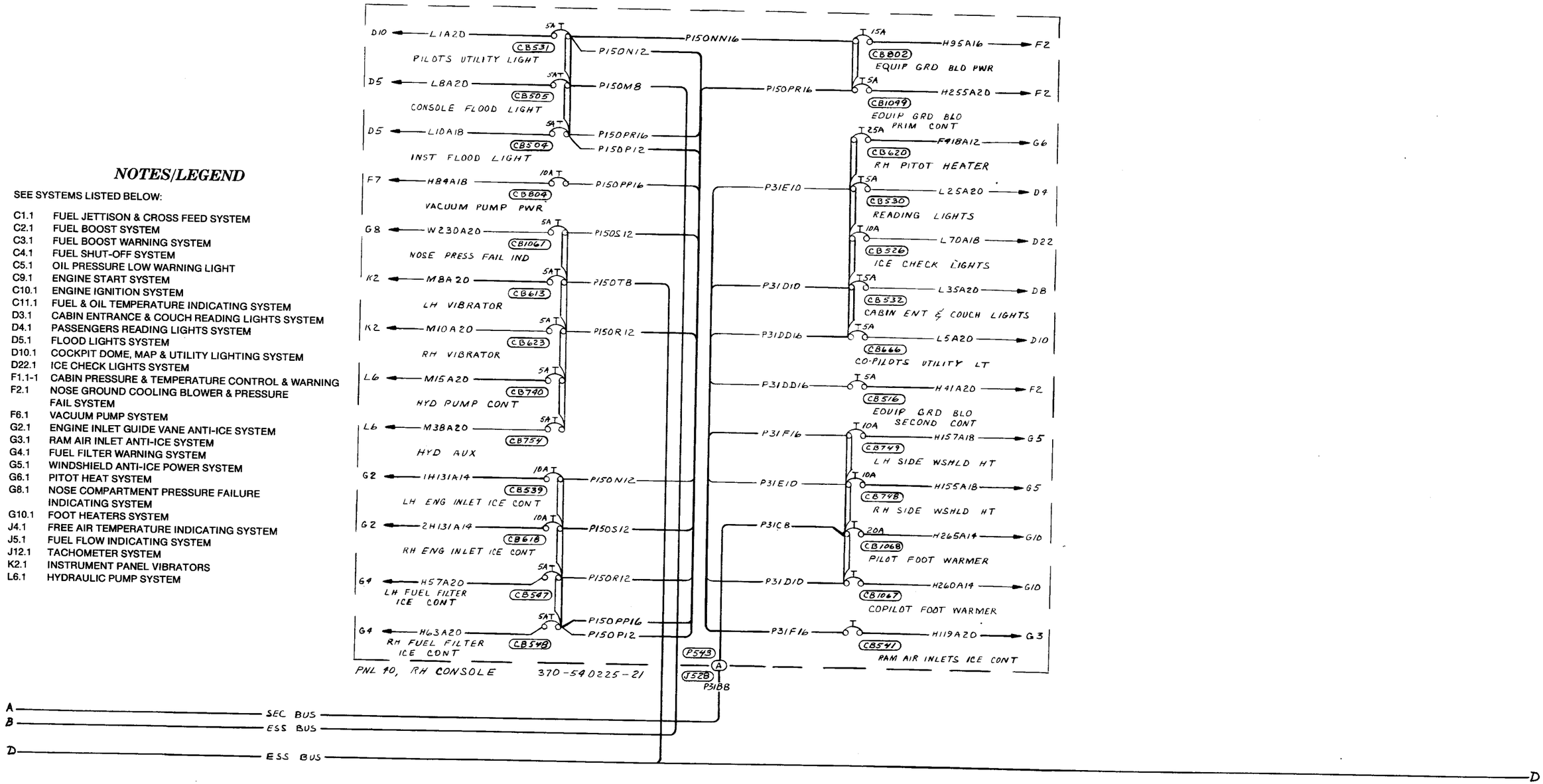
NOTES/LEGEND

SEE SYSTEMS LISTED BELOW:

C1.1	FUEL JETTISON & CROSS FEED SYSTEM
C2.1	FUEL BOOST SYSTEM
C3.1	FUEL BOOST WARNING SYSTEM
C4.1	FUEL SHUT-OFF SYSTEM
C5.1	OIL PRESSURE LOW WARNING LIGHT
C9.1	ENGINE START SYSTEM
C10.1	ENGINE IGNITION SYSTEM
C11.1	FUEL & OIL TEMPERATURE INDICATING SYSTEM
D3.1	CABIN ENTRANCE & COUCH READING LIGHTS SYSTEM
D4.1	PASSENGERS READING LIGHTS SYSTEM
D5.1	FLOOD LIGHTS SYSTEM
D10.1	COCKPIT DOME, MAP & UTILITY LIGHTING SYSTEM
D22.1	ICE CHECK LIGHTS SYSTEM
F1.1-1	CABIN PRESSURE & TEMPERATURE CONTROL & WARNING
F2.1	NOSE GROUND COOLING BLOWER & PRESSURE FAIL SYSTEM
F6.1	VACUUM PUMP SYSTEM
G2.1	ENGINE INLET GUIDE VANE ANTI-ICE SYSTEM
G3.1	RAM AIR INLET ANTI-ICE SYSTEM
G4.1	FUEL FILTER WARNING SYSTEM
G5.1	WINDSHIELD ANTI-ICE POWER SYSTEM
G6.1	PITOT HEAT SYSTEM
G8.1	NOSE COMPARTMENT PRESSURE FAILURE INDICATING SYSTEM
G10.1	FOOT HEATERS SYSTEM
J4.1	FREE AIR TEMPERATURE INDICATING SYSTEM
J5.1	FUEL FLOW INDICATING SYSTEM
J12.1	TACHOMETER SYSTEM
K2.1	INSTRUMENT PANEL VIBRATORS
L6.1	HYDRAULIC PUMP SYSTEM



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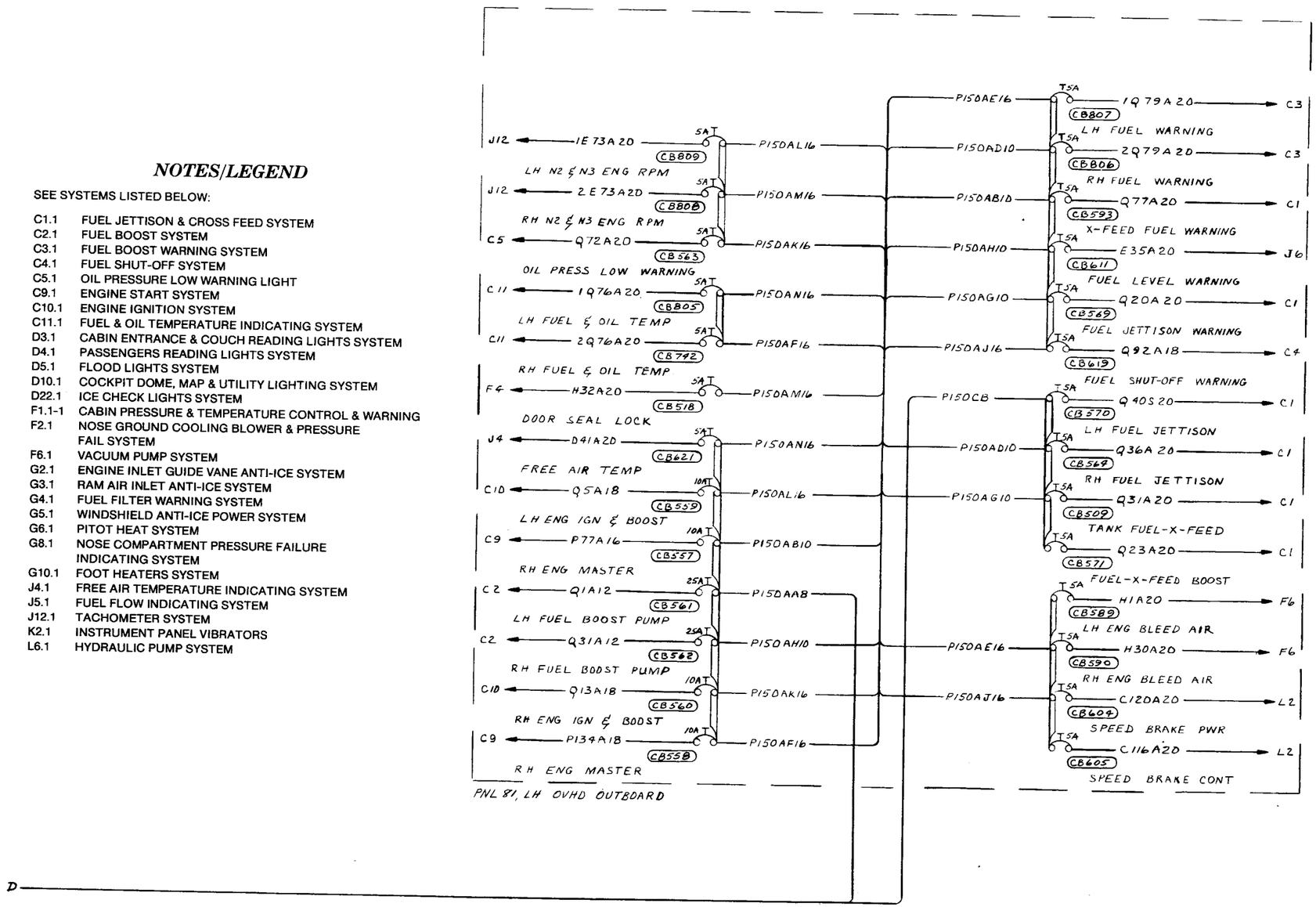
NOTES/LEGEND

SEE SYSTEMS LISTED BELOW:

C1.1	FUEL JETTISON & CROSS FEED SYSTEM
C2.1	FUEL BOOST SYSTEM
C3.1	FUEL BOOST WARNING SYSTEM
C4.1	FUEL SHUT-OFF SYSTEM
C5.1	OIL PRESSURE LOW WARNING LIGHT
C9.1	ENGINE START SYSTEM
C10.1	ENGINE IGNITION SYSTEM
C11.1	FUEL & OIL TEMPERATURE INDICATING SYSTEM
D3.1	CABIN ENTRANCE & COUCH READING LIGHTS SYSTEM
D4.1	PASSENGERS READING LIGHTS SYSTEM
D5.1	FLOOD LIGHTS SYSTEM
D10.1	COCKPIT DOME, MAP & UTILITY LIGHTING SYSTEM
D22.1	ICE CHECK LIGHTS SYSTEM
F1.1-1	CABIN PRESSURE & TEMPERATURE CONTROL & WARNING
F2.1	NOSE GROUND COOLING BLOWER & PRESSURE FAIL SYSTEM
F6.1	VACUUM PUMP SYSTEM
G2.1	ENGINE INLET GUIDE VANE ANTI-ICE SYSTEM
G3.1	RAM AIR INLET ANTI-ICE SYSTEM
G4.1	FUEL FILTER WARNING SYSTEM
G5.1	WINDSHIELD ANTI-ICE POWER SYSTEM
G6.1	PITOT HEAT SYSTEM
G8.1	NOSE COMPARTMENT PRESSURE FAILURE INDICATING SYSTEM
G10.1	FOOT HEATERS SYSTEM
J4.1	FREE AIR TEMPERATURE INDICATING SYSTEM
J5.1	FUEL FLOW INDICATING SYSTEM
J12.1	TACHOMETER SYSTEM
K2.1	INSTRUMENT PANEL VIBRATORS
L6.1	HYDRAULIC PUMP SYSTEM



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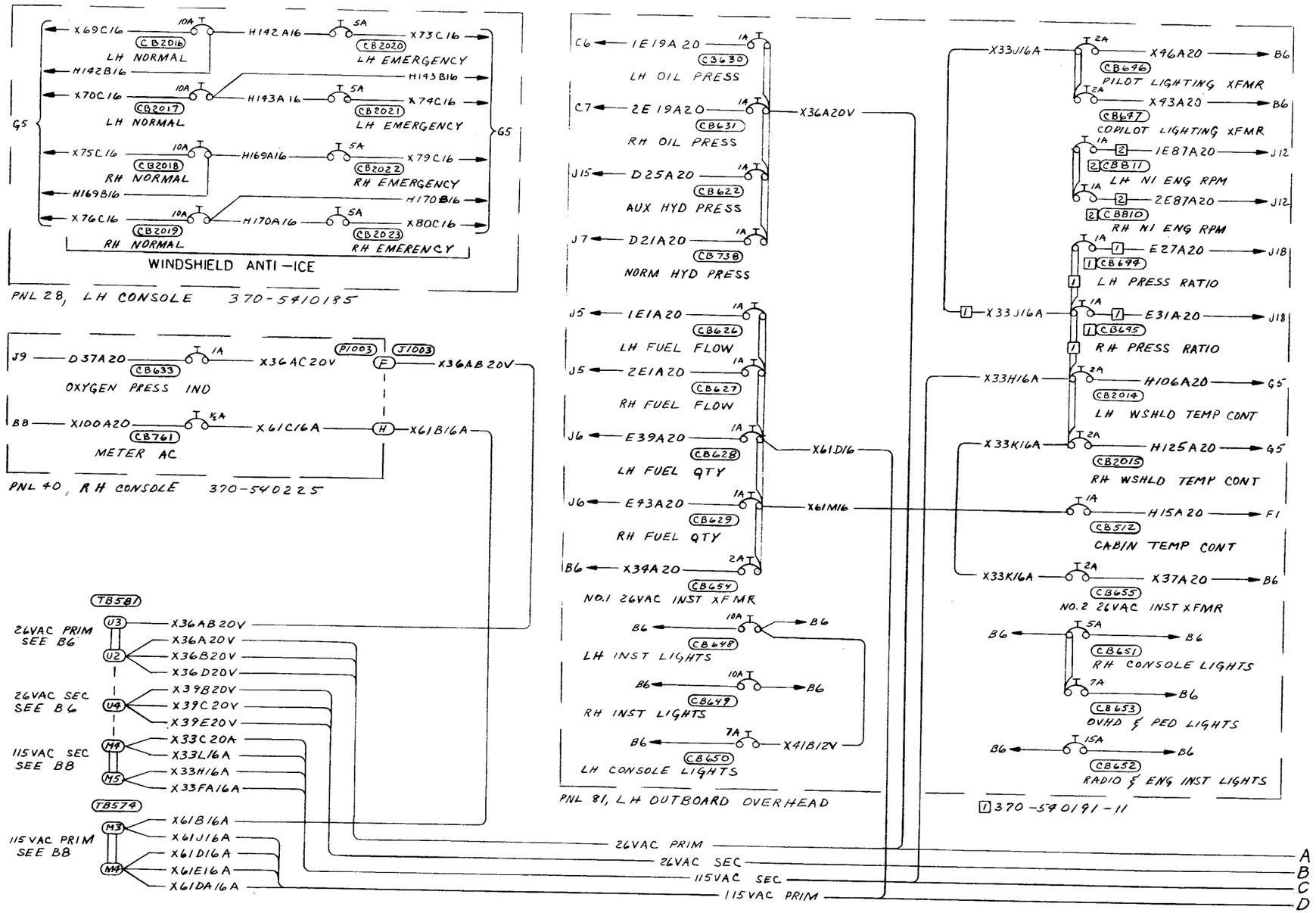

1 370-1	& SUBS	ONLY
SHIP	THRU	BLOCK
EFFECTIVE ON		

L7. STALL WARN SYSTEM
J18. ENG PRESS RATIO SYSTEM
J15. HYD AUX PRESS IND SYSTEM
J12. ENG RPM IND SYSTEM
J9. OXYGEN PRESS IND SYSTEM
J7. HYDRAULIC PRESS IND SYSTEM
J6. FUEL QUANTITY INICATING SYSTEM
J5. FUEL FLOW INDICATING SYSTEM
G5. WINDSHIELD ANTI-ICE SYSTEM
F1. CABIN PRESS & TEMP CONT SYSTEM
C7. OIL PRESS INDICATOR RIGHT HAND
C6. OIL PRESS INDICATOR LEFT HAND
B8. AC INVERTER SYSTEM
B6. INST & INDIR LIGHTING AC POWER

1. SEE APPLICABLE SYSTEM LISTED ABOVE.

NOTES:

1 370-5401911-11

AC POWER DISTRIBUTION SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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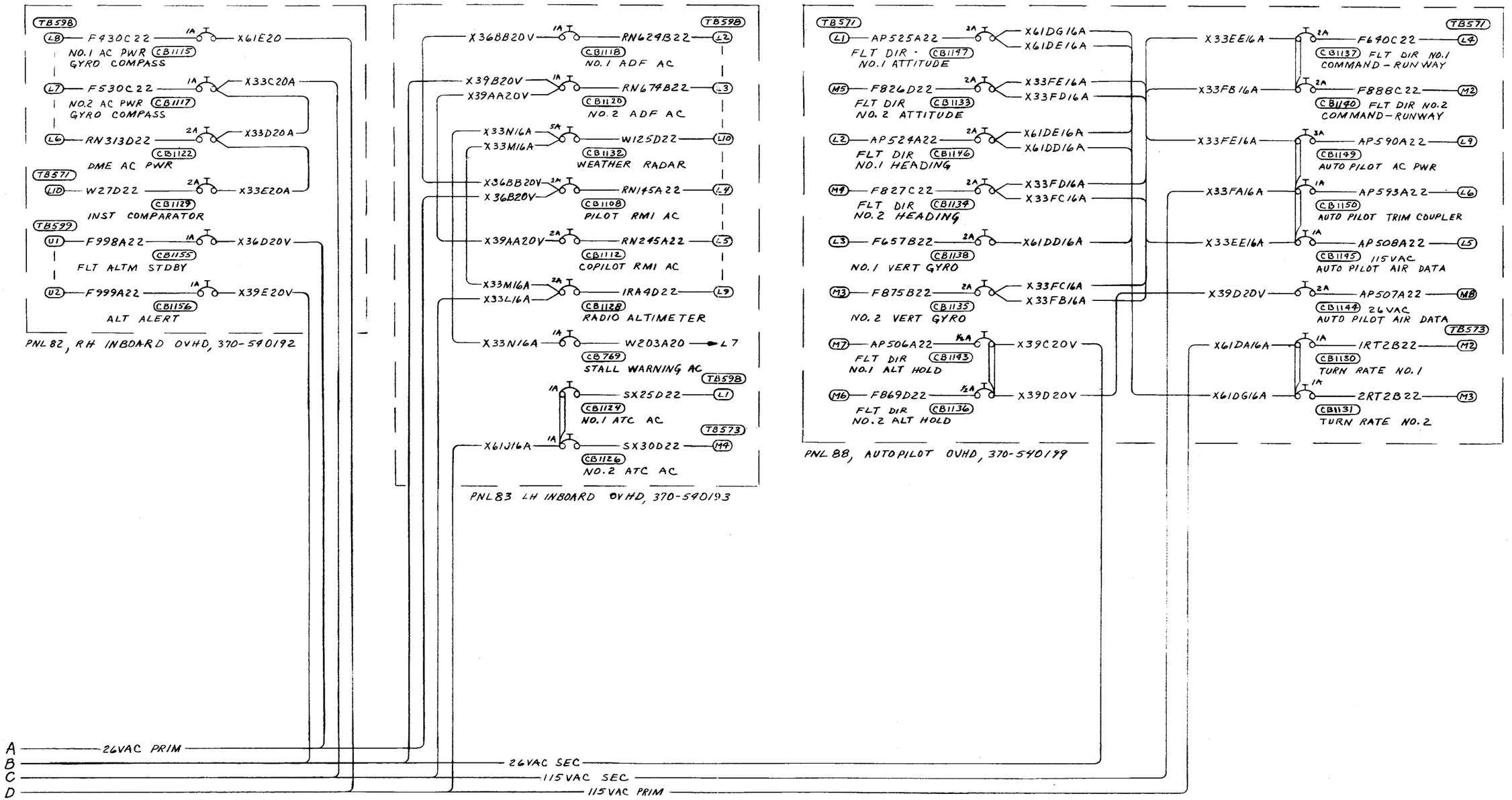

AC POWER DISTRIBUTION SYSTEM
NA265-70, 370-1 and Subs
(Sheet 2 of 2)

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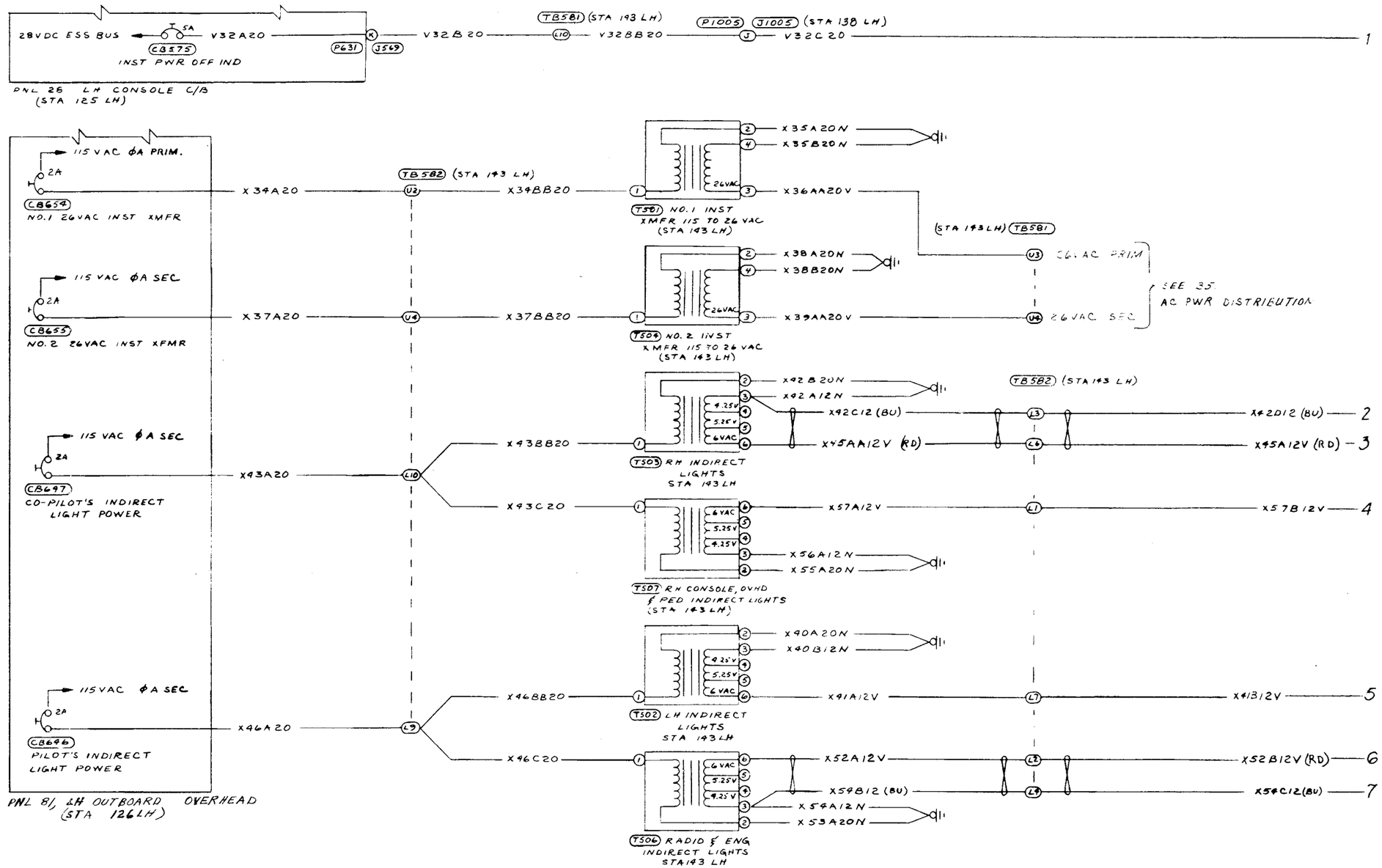

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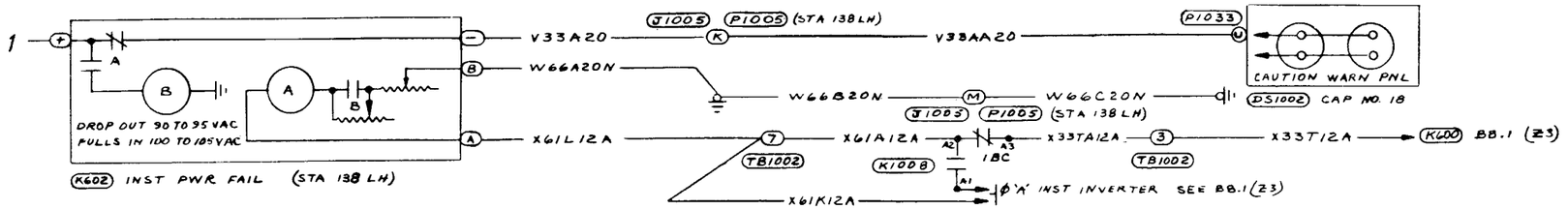

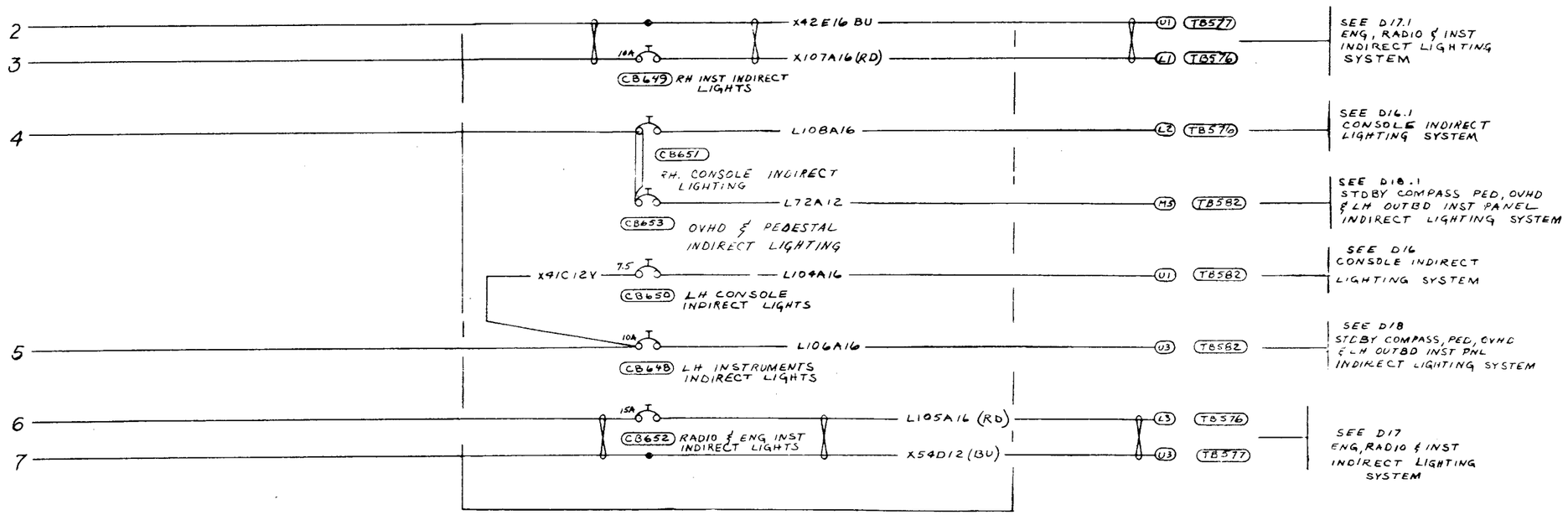

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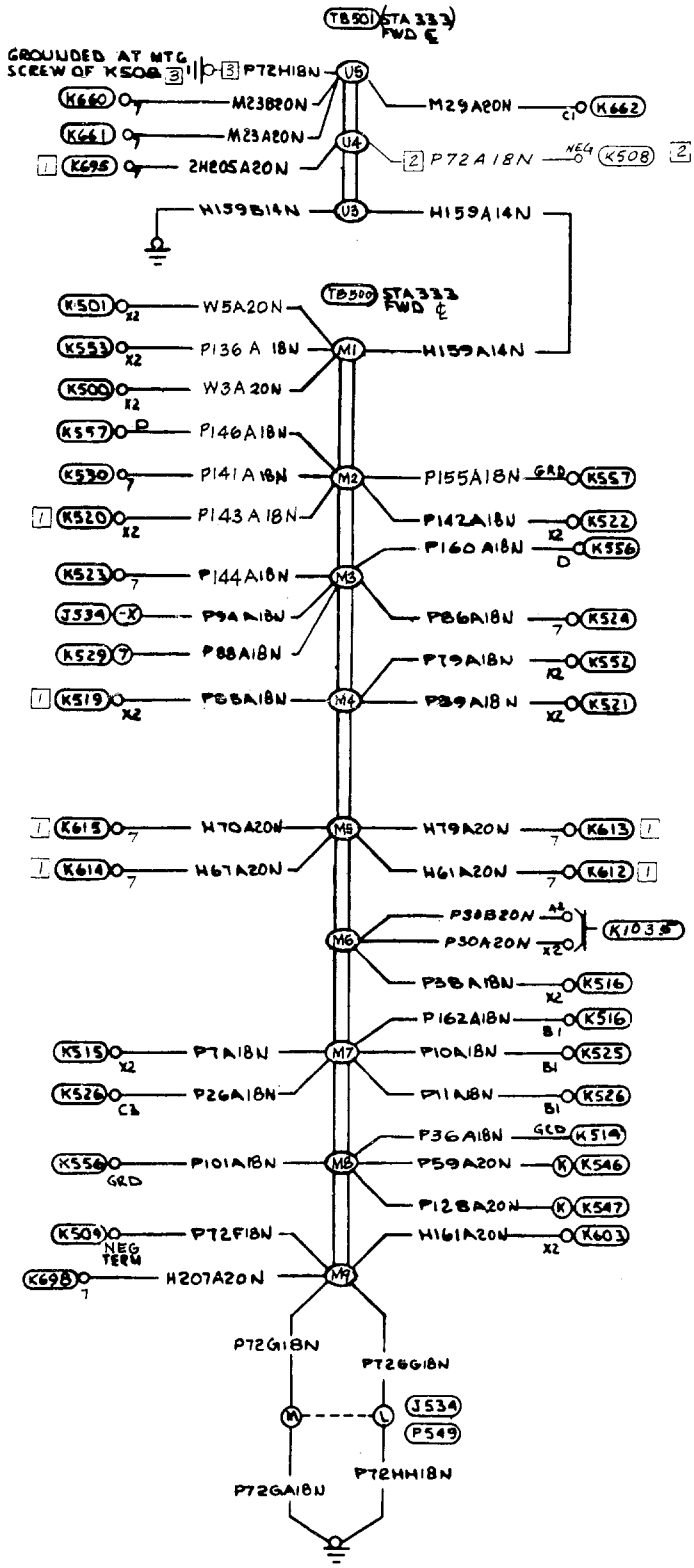

4	370-1	370-9	CHG BY SIB 75-3
3	370-1	370-7	NOT CHG BY SIB 74-12
2	370-8 & SUBS		CHG BY SIB 74-12
1	370-1 & SUBS		
SHIP	THRU	BLOCK	
EFFECTIVE ON			

ELECTRICAL GROUND SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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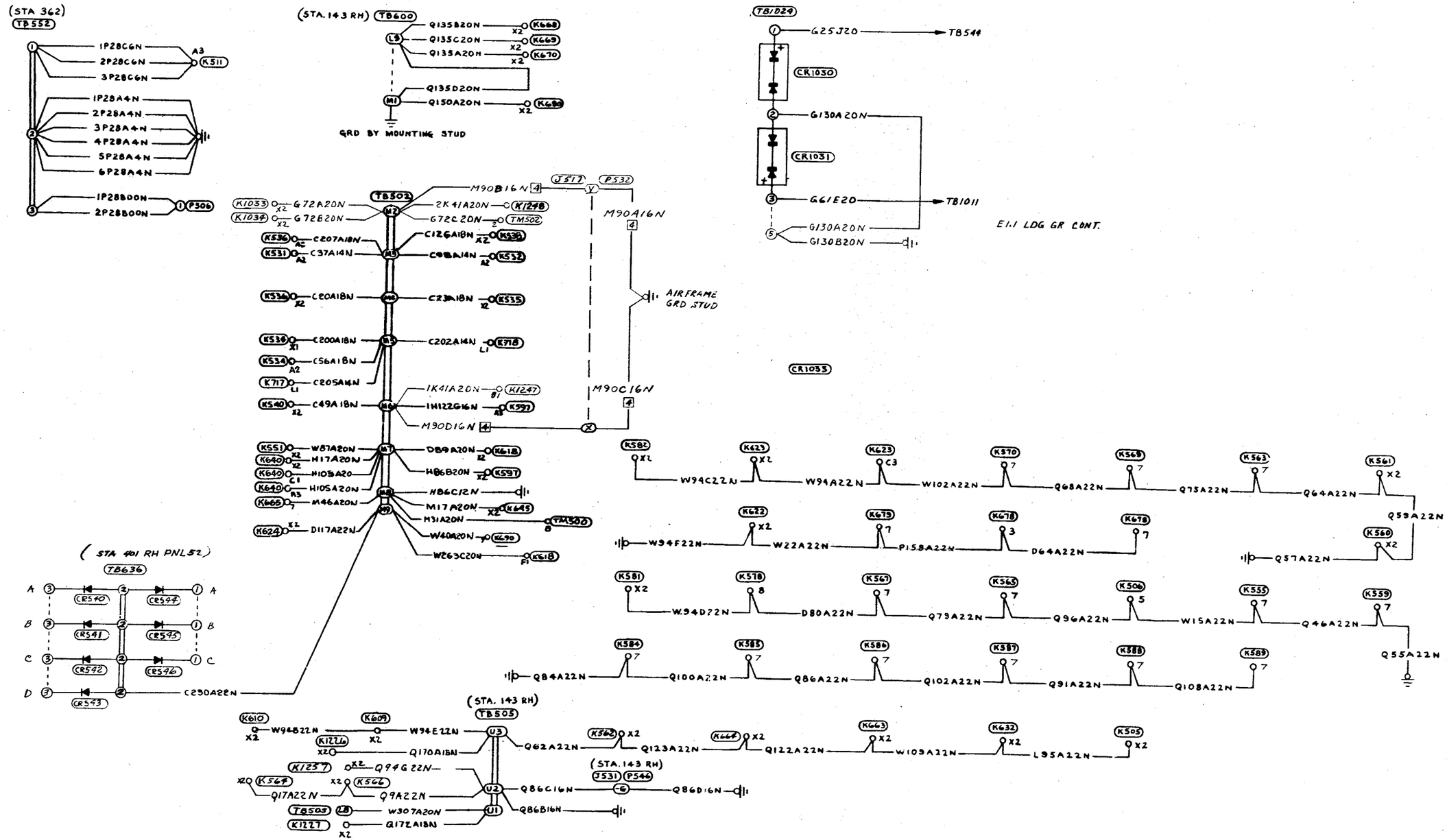

ELECTRICAL GROUND SYSTEM
NA265-70, 370-1 and Subs
(Sheet 2 of 2)

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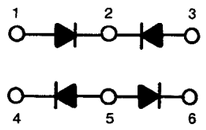
CHAPTER

26

FIRE PROTECTION

NOTES/LEGEND

1. FOR DETAIL GROUND SEE: B7.1 ELECTRICAL GROUND SYSTEM
2. FOR ACTUATION OF CONTACTS SEE: H4.1 ENGINE FIRE EXTINGUISHER SYSTEM
3. REF B3.1-3, DC POWER DISTRIBUTION SYSTEM
4. REF H4.1, ENGINE FIRE EXTINGUISHER SYSTEM
5. REF D2.1, CAUTION WARNING AND INDICATOR LIGHTS DIM & TEST & PASSENGER COMPARTMENT FLOOR STEP LIGHT SYSTEM
6. TERMINALS P/N 014-3401-00-0-11-9 (6 EACH) INSTALLED ON SIGNAL KEYER DS1059 BRACKET ON AIRPLANES COMPLYING WITH S/L 84-4. SEE DIAGRAM BELOW FOR NUMERICAL ARRANGEMENT OF THE SIX TERMINALS:



7. DIODE P/N 1N4007 (4 EACH) INSTALLED ON AIRPLANES COMPLYING WITH S/L 84-4
8. SIGNAL KEYER P/N 4-117 AND BRACKET INSTALLED ON AIRPLANES COMPLYING WITH S/L 84-4
9. INSTALLED ON AIRPLANES COMPLYING WITH S/L 34
10. INSTALLED ON AIRPLANES COMPLYING WITH S/L 34
11. INSTALLED ON AIRPLANES COMPLYING WITH S/L 84-4

28VDC ESS — 5A — CB549 — W67A20 — TB583 (STA 143RH) — W67C20 — J630 P700 (STA 333) — W67DD20 — TB624 (STA 385RH) — W67D22 — W67E22 — W77A20 — W77B20 — W77AA20 — W77AB22
LH ENG FIRE DET
P NP

CN514 CONTROL UNIT LH FIRE DETECTOR MOUNT (STA 385 RH)
SLAVE RELAY, SEQUENCING RELAY, R1, R2, R3, R4, R548 200Ω
W168AA22 — 1
W170AA22 — W170A16 — TB624 (STA 385RH) — 2
W169A22N — TB624 (STA 385RH) — W169B22N
W169C22N

28VDC ESS — 5A — CB550 — W74A20 — TB583 (STA 143RH) — W74C20 — J630 P700 (STA 333) — W74DD20 — TB624 (STA 385RH) — W74D22 — W74E22 — W75A20 — W75B20 — W75AA20 — W75AB22
RH ENG FIRE DET
P NP

CN513 CONTROL UNIT RH FIRE DETECTOR MOUNT (STA 385 RH)
CONT UNIT RH FIRE DET.
R547 200Ω
W186AA22 — 3
W172AA22 — W172A16 — TB624 (STA 385 RH) — 4

W77CC20 — 5
W75CC20 — 6

TB1007 (STA 143RH) — L1 — W75C20
TB1007 (STA 193 RH) — L2 — W76B20N — W77C20
TB1007 (STA 193 RH) — W78B20N
TB581 (STA 193LH) — L9 — W85B20N — W89B20
W75D22 — W76A22N — W77D22 — W78A22N — W85A20N — W89C20

J697 P762
S505 RH FIRE PULL HANDLE
S506 LH FIRE PULL HANDLE
NC1 NO1 TEST — W71F20 — W71E20 — 7
NC2 NO2 — W88A20 — W88B20 — 8
S508 FIRE DET TEST SWITCH
P762 J697
PANEL 61, ENGINE FIRE CONTROL (STA 98 LH)

W77BB20 — 9

3 REF CB 609 (B3.1-3, ZN 15B)
P150GU16 — 5A — CB830 — 9 — W140A20 — TB1007 — W140B20 — K1036 — K1038 — W141A20 — W140D20 — W143A20 — K1037 — K1039 — W142A20
PANEL 8C RH OUTBD OVHD (STA 129)

W144D20 — W144C20N — W144B20N
W75BB20 — RF WB — K1036 — RH ENG FIRE WARNING BELL 9 — LF WB — K1037 — LH ENG FIRE WARNING BELL 9
W143B20 — DS1030 — ENGINE FIRE WARNING BELL 9 — W145A20N

28VDC ESS — 5A — CB554 — W89A20
FIRE DET TEST
PANEL 34, RH OVHD AFT C/B (STA 130 RH)

MAJOR CHANGE

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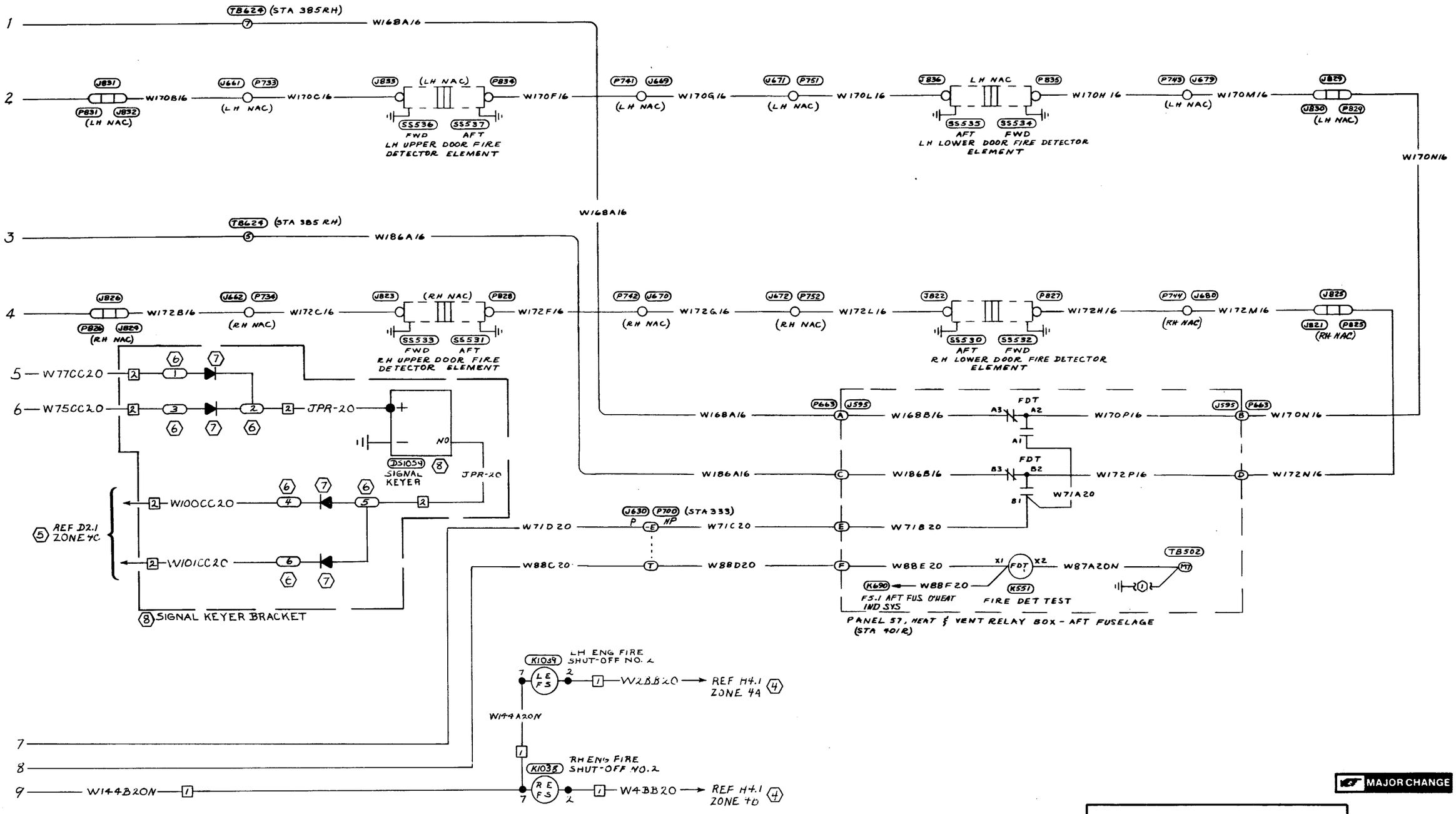

MAJOR CHANGE

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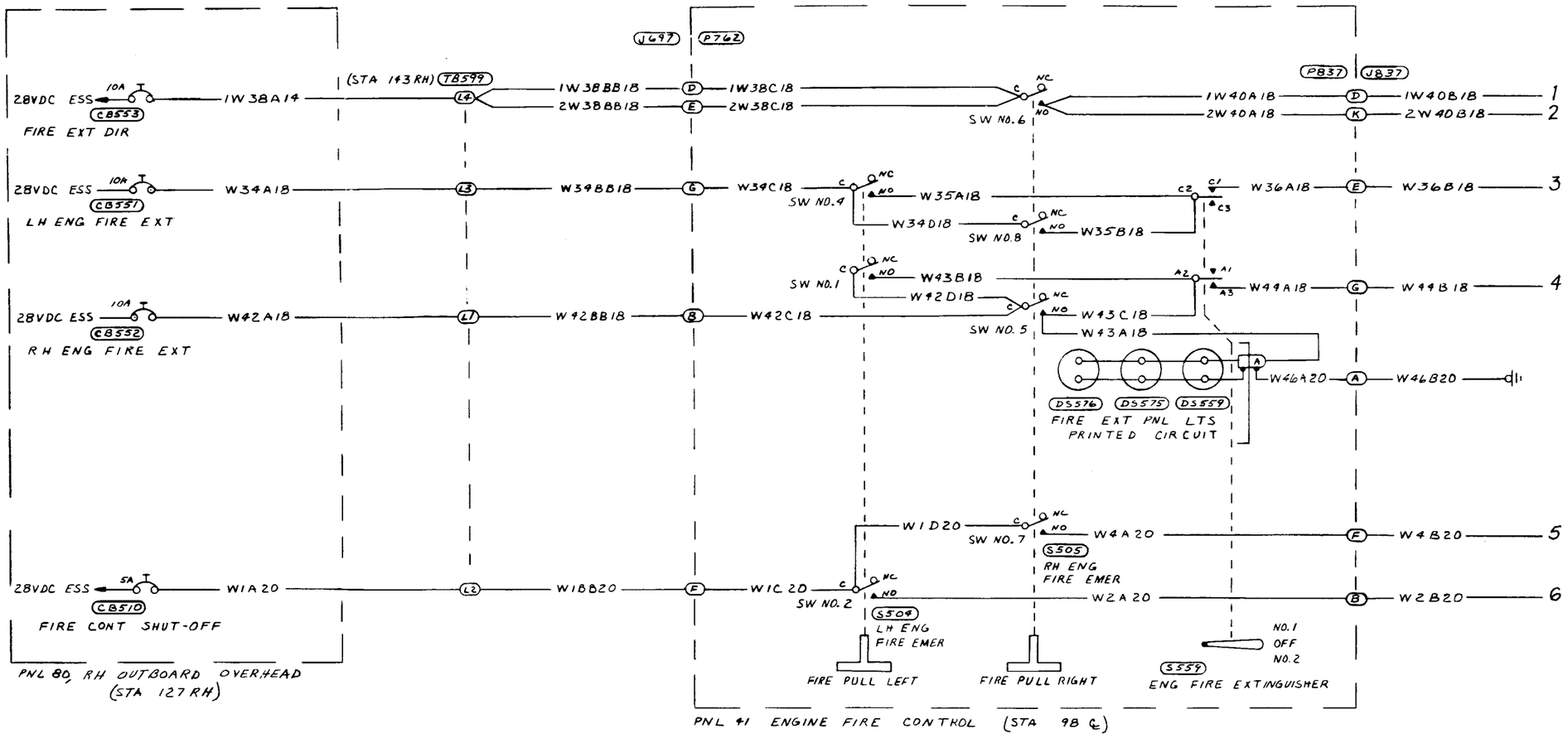

NOTES/LEGEND

1. DENOTES FOR DETAIL CIRCUIT SEE: B7.1 ELEC GRD SYSTEM
2. REF H3.1, ENGINE FIRE DETECTOR SYSTEM
3. INSTALLED ON AIRPLANES COMPLYING WITH S/L 34

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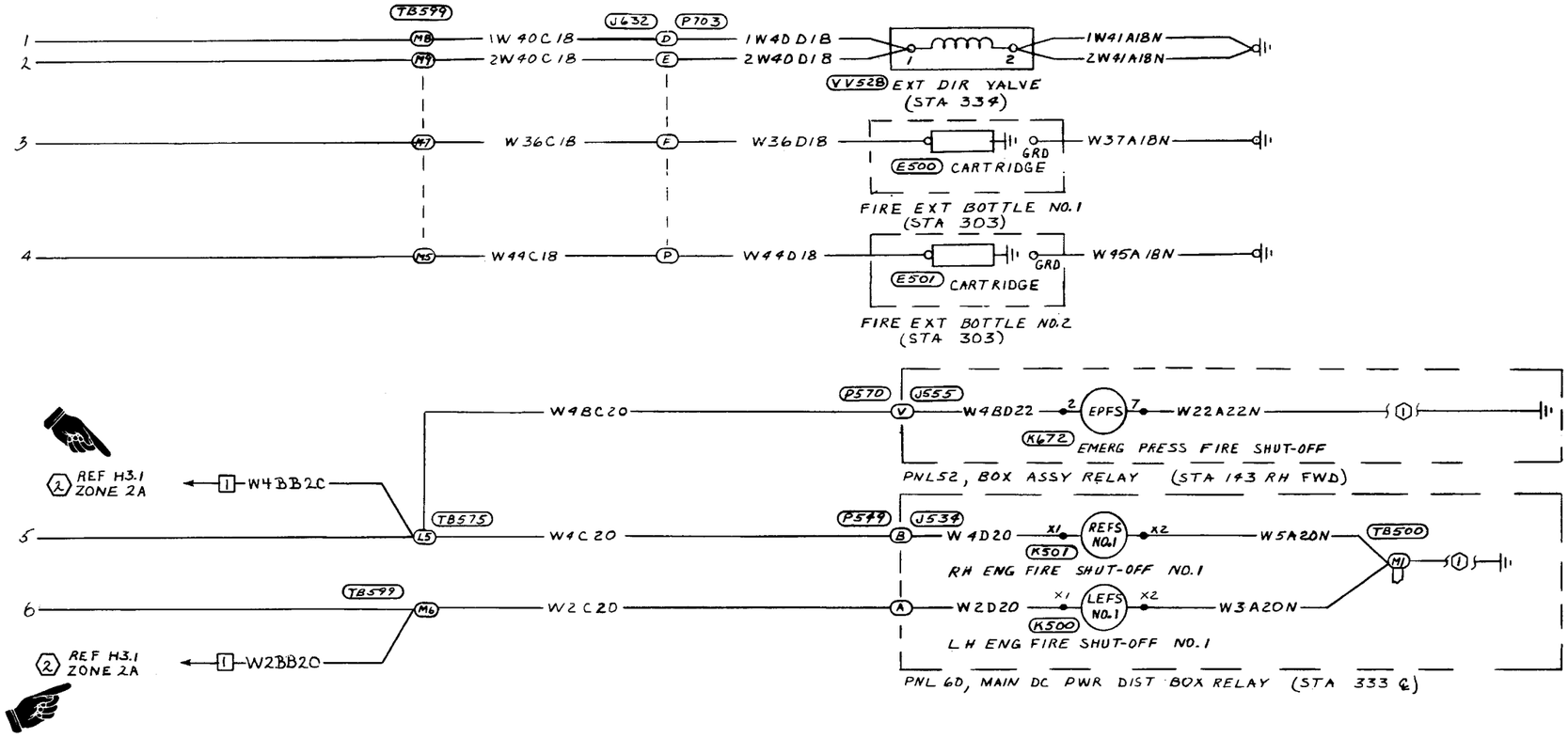

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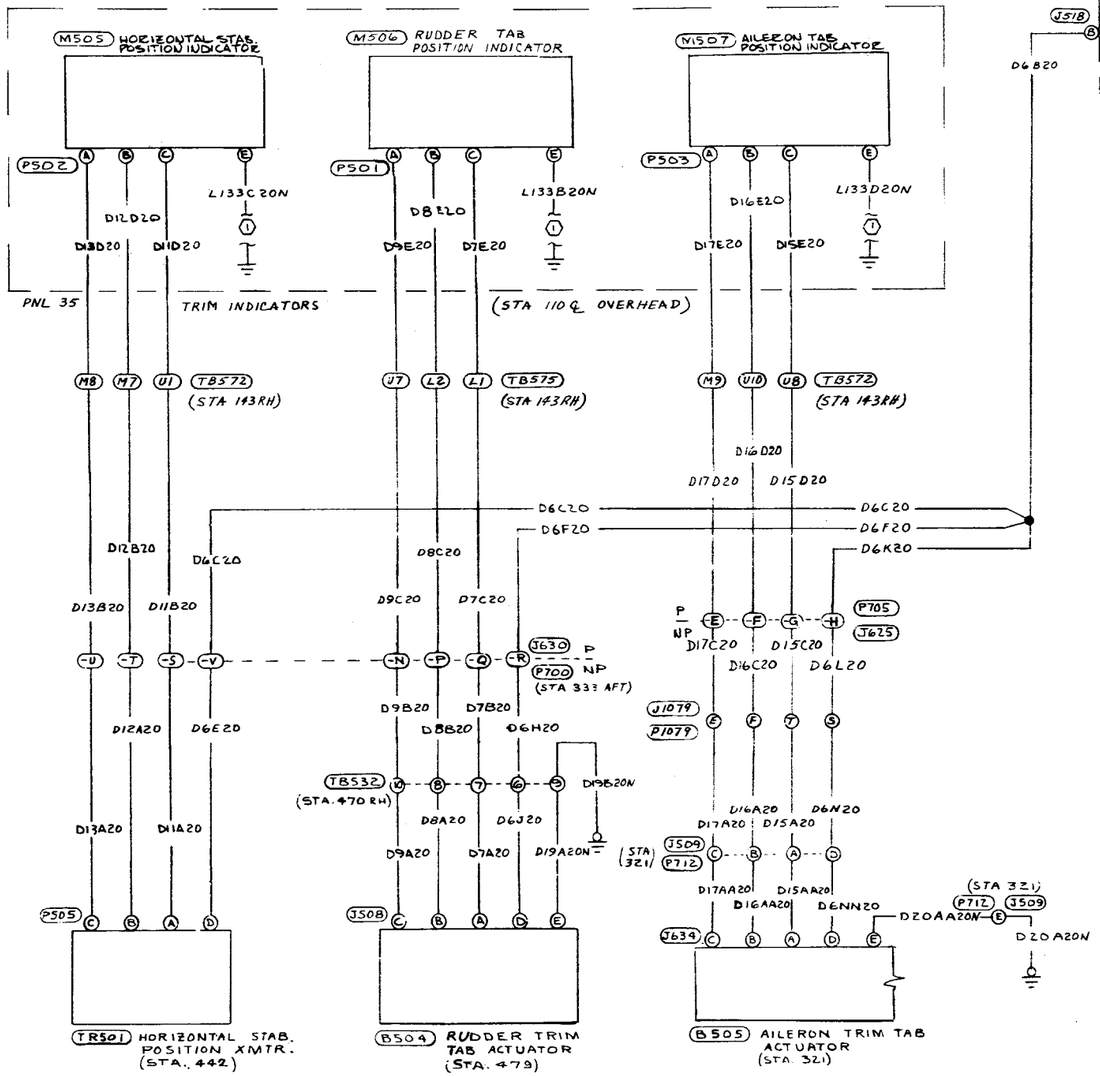
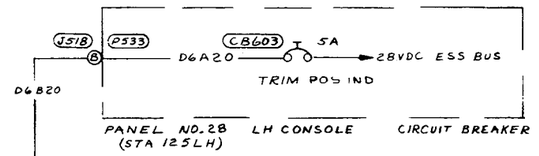
CHAPTER

27

FLIGHT CONTROLS





SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	DESCRIPTION	LOCATION
PANEL 28	L.H. CONSOLE CB PANEL	STA. 125 L.H.
P501	PLUG, PANEL 24 DISC (M506)	STA. 94 R.H.
P502	PLUG, PANEL 24 DISC (M505)	STA. 94 R.H.
P503	PLUG, PANEL 24 DISC (M507)	STA. 94 R.H.
P505	PLUG, HORIZ STAB POSITION XMTR (TR501)	STA. 365
P533	PLUG, PANEL 28 DISC (J518)	STA. 125 L.H.
P574	PLUG, PANEL 24 DISC (J559)	STA. 94 R.H.
P700	PLUG, (PRESS BHD) DISC (J630)	STA. 333 AFT
P1079	PLUG (LH WING DISCON) (J1079)	STA 298 LH

① 1. FOR DETAIL GRD SYSTEM SEE D17.1; ENGINE, RADIO, INSTRUMENT INDIRECT LTS SYSTEM

NOTES:

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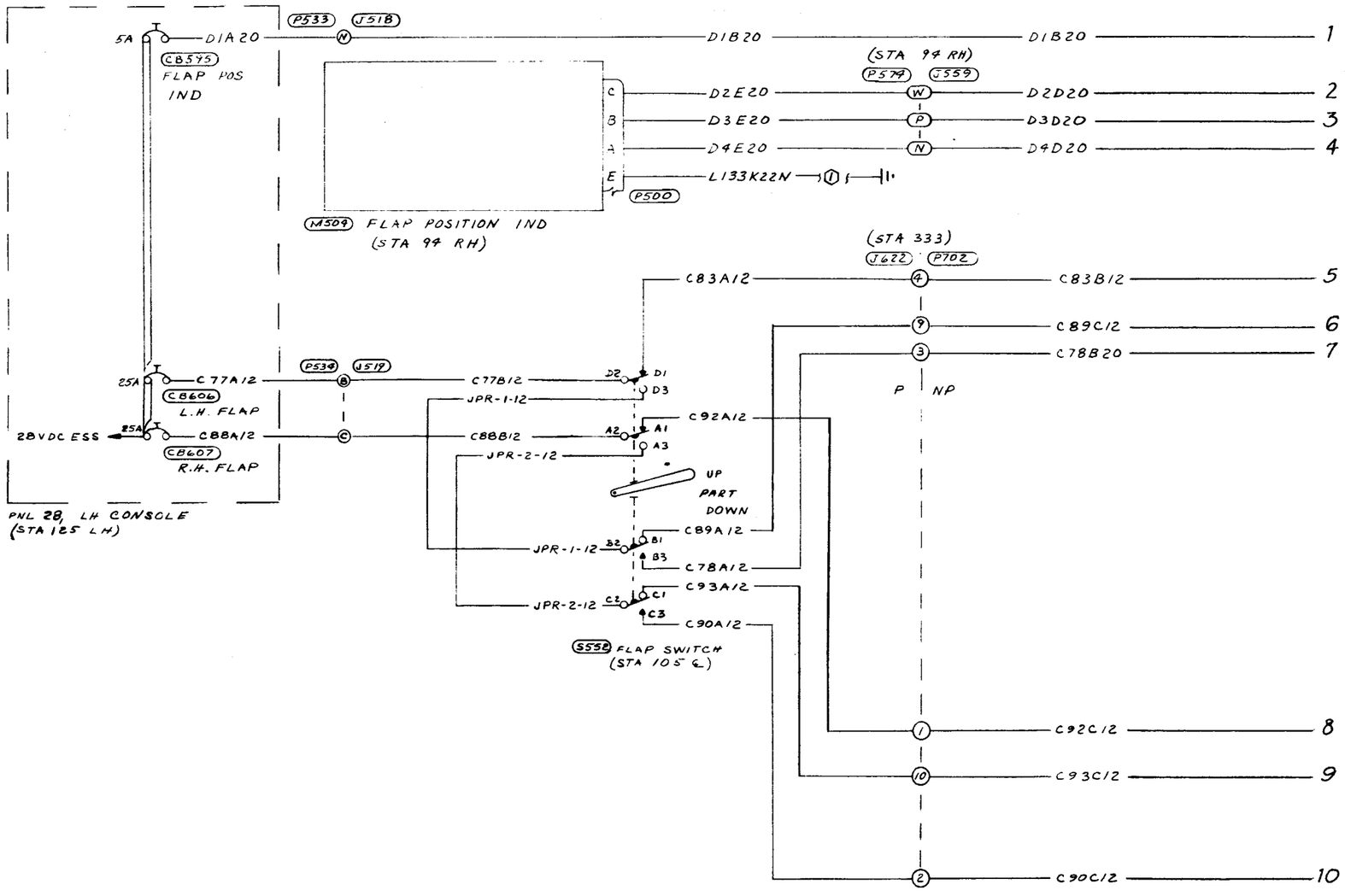
NOTES/LEGEND

(1) FOR DETAIL GRD SYS SEE:
D17. ENG. RADIO & INST INDIR LT SYS



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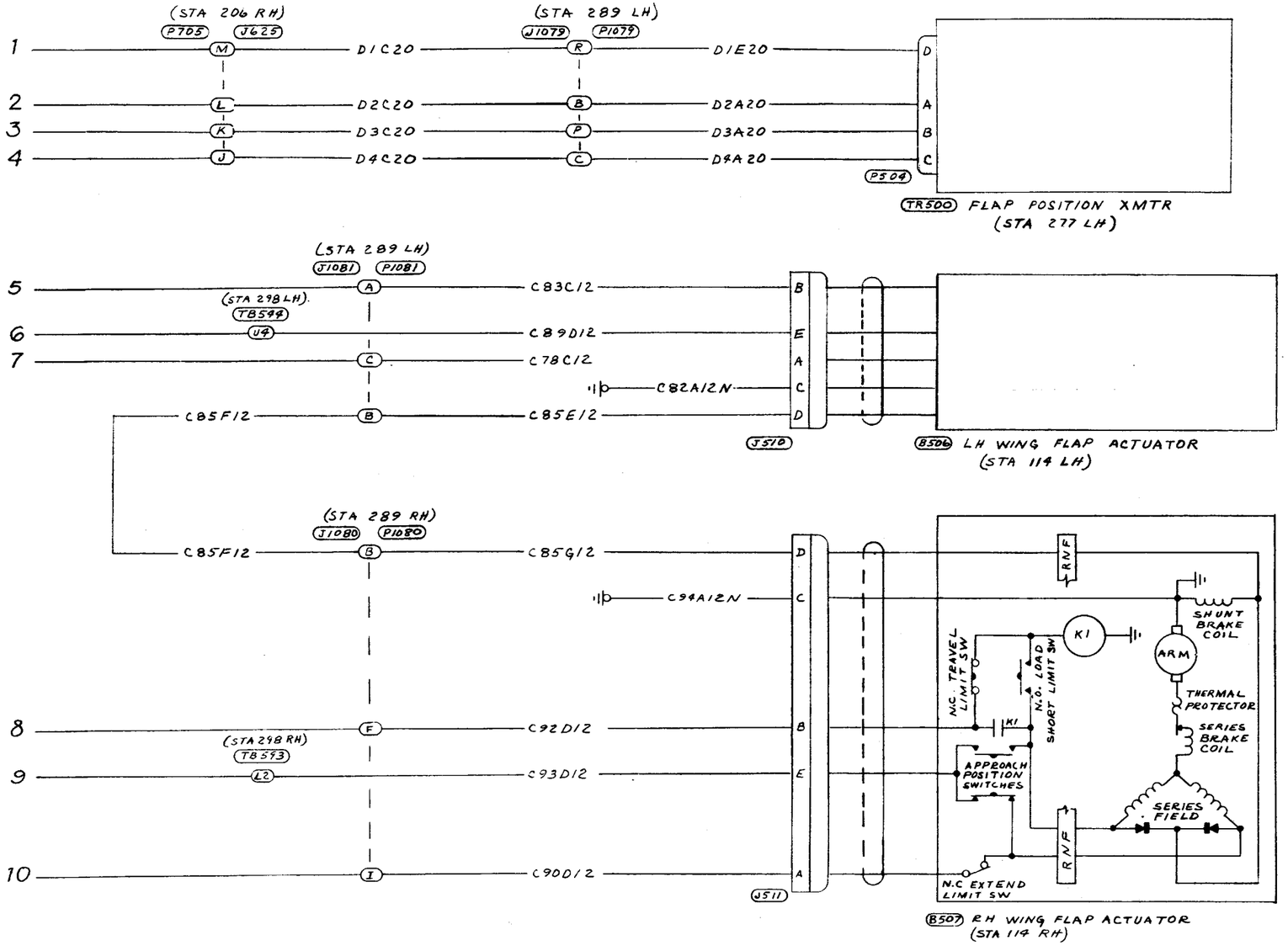

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SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	**DESCRIPTION**	**LOCATION**
PANEL 28	LH CONSOLE C B PANEL	125 LH
PANEL 31	ALTERNATE TRIM CONTROL	98 LH
PANEL 51	H & V SW PNL — PEDESTAL	95 CL
PANEL 57	H & V RELAY BOX — AFT FUSELAGE	401 RH

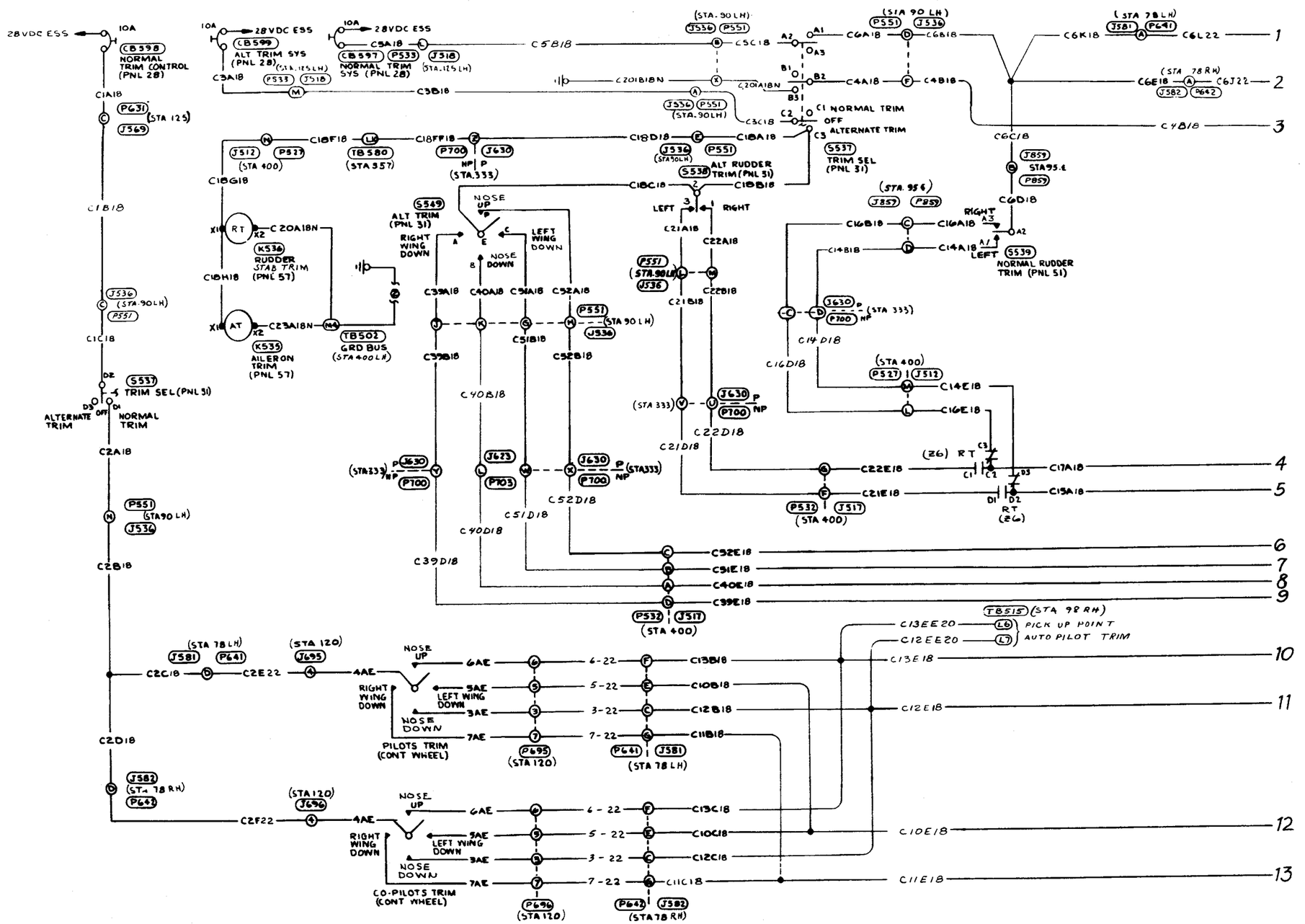
NOTES/LEGEND

1. ON RELAYS MS24143-D1 AND MS24143-1, TERMINALS C1, C2, B1, B2, A1 & A2 ARE EQUIVALENT TO L1, T1, L2, T2, L3 & T3 RESPECTIVELY, COIL HOOKUP IS IDENTICAL
2. FOR DETAIL GROUND SEE B7.1
3. SEE APPLICABLE EFFECTIVITY OF SYSTEM LISTED BELOW

   B7.1 ELECTRICAL GROUND SYSTEM

   E2.1 LDG GEAR POSITION IND & WARNING SYS

   L5.1 AUTOPILOT FLIGHT CONTROL SYS



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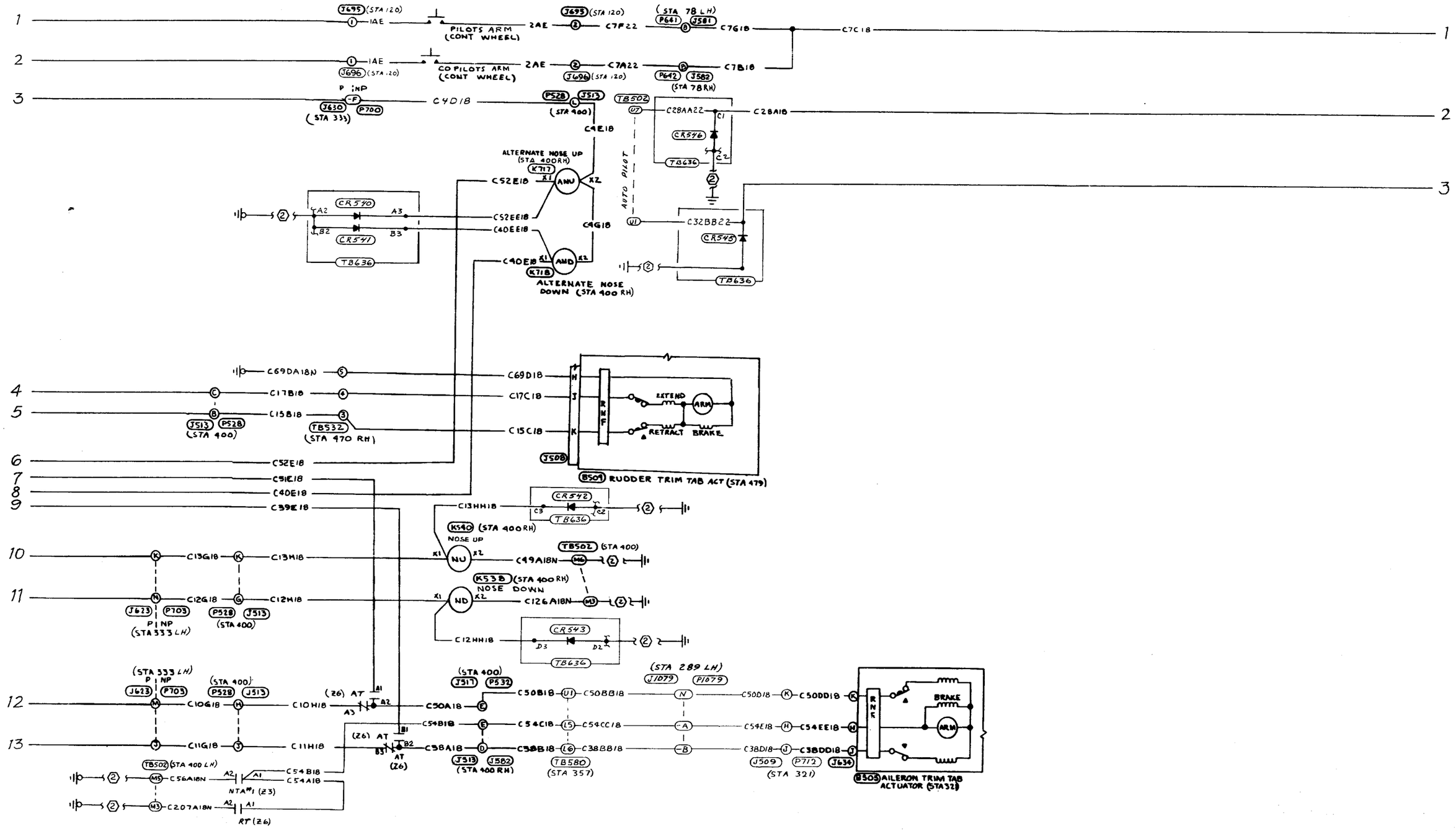

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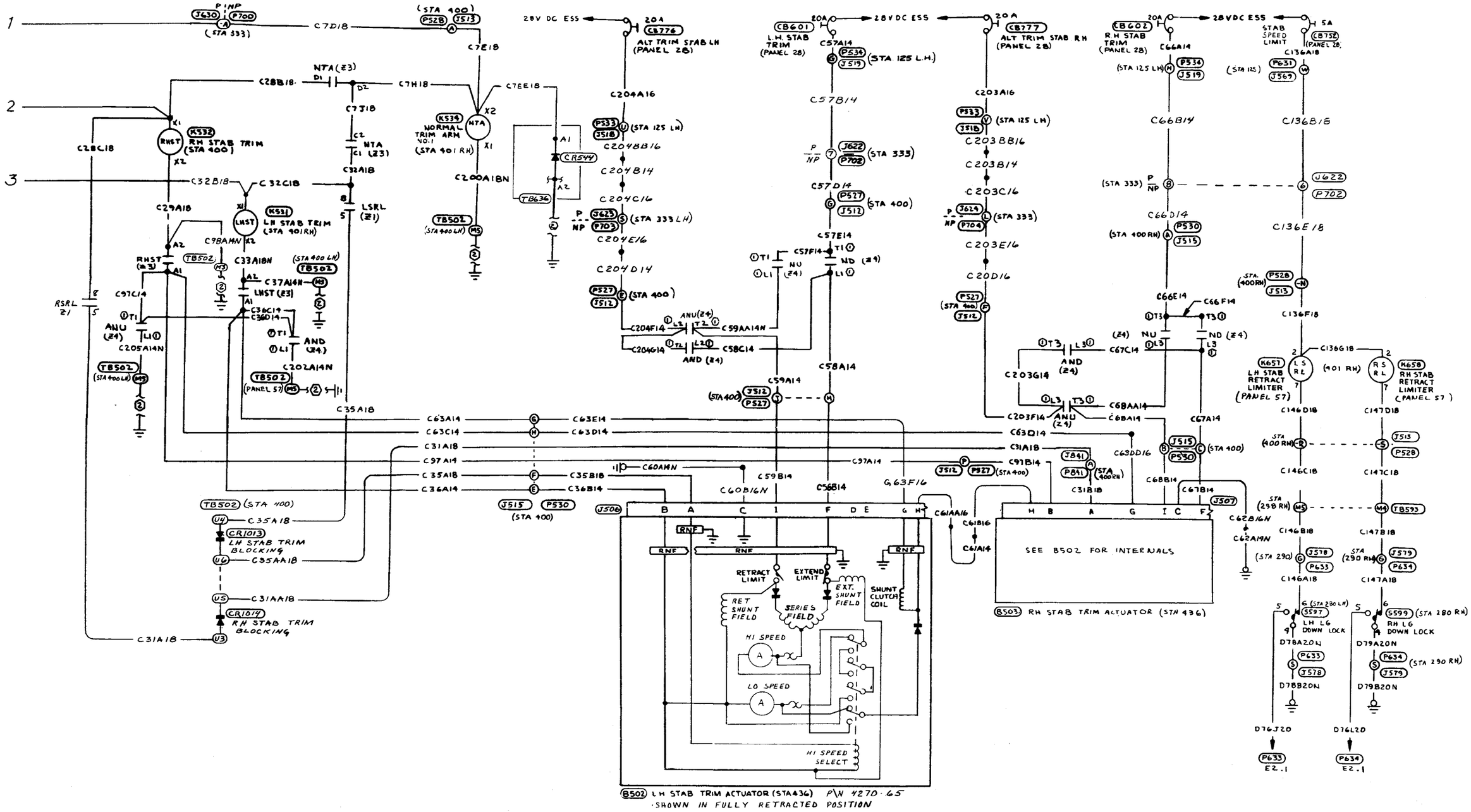

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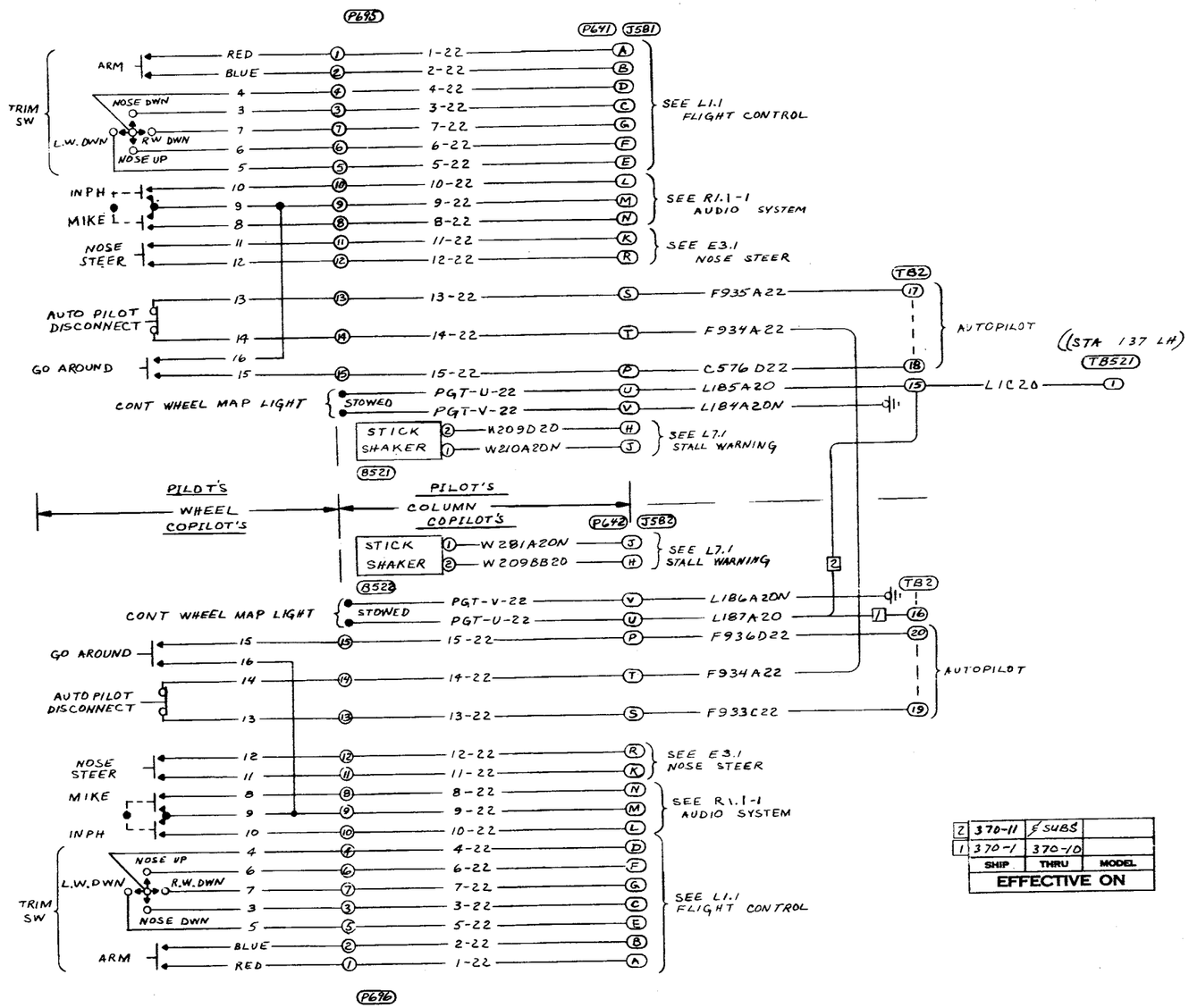

2	370-11	& SUBS	
1	370-1	370-10	
	SHIP	THRU	MODEL
EFFECTIVE ON			

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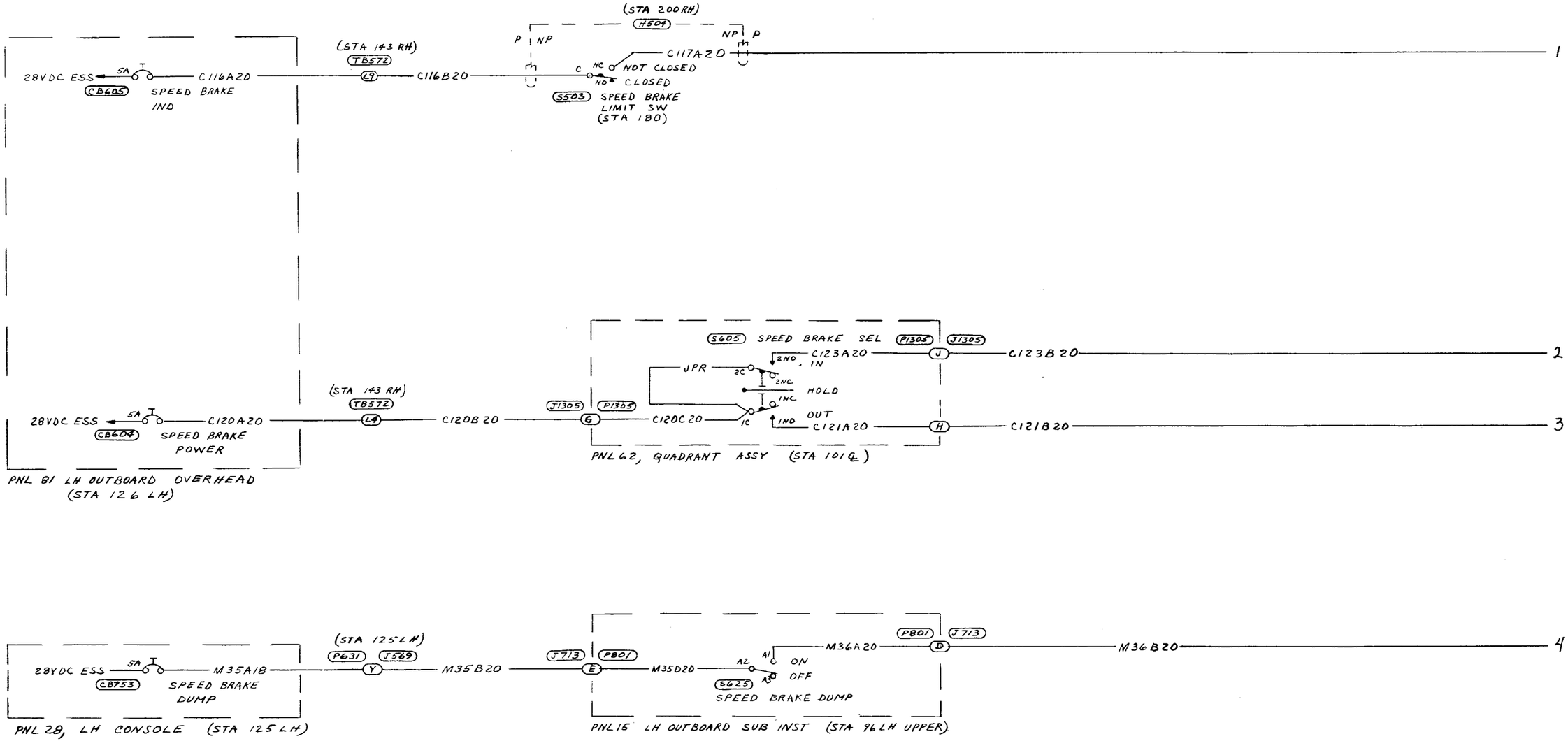

2	370-2 THRU 6, 8 & 9
1	370-1 & 7
SHIP	THRU BLOCK
EFFECTIVE ON	

SPEED BRAKE SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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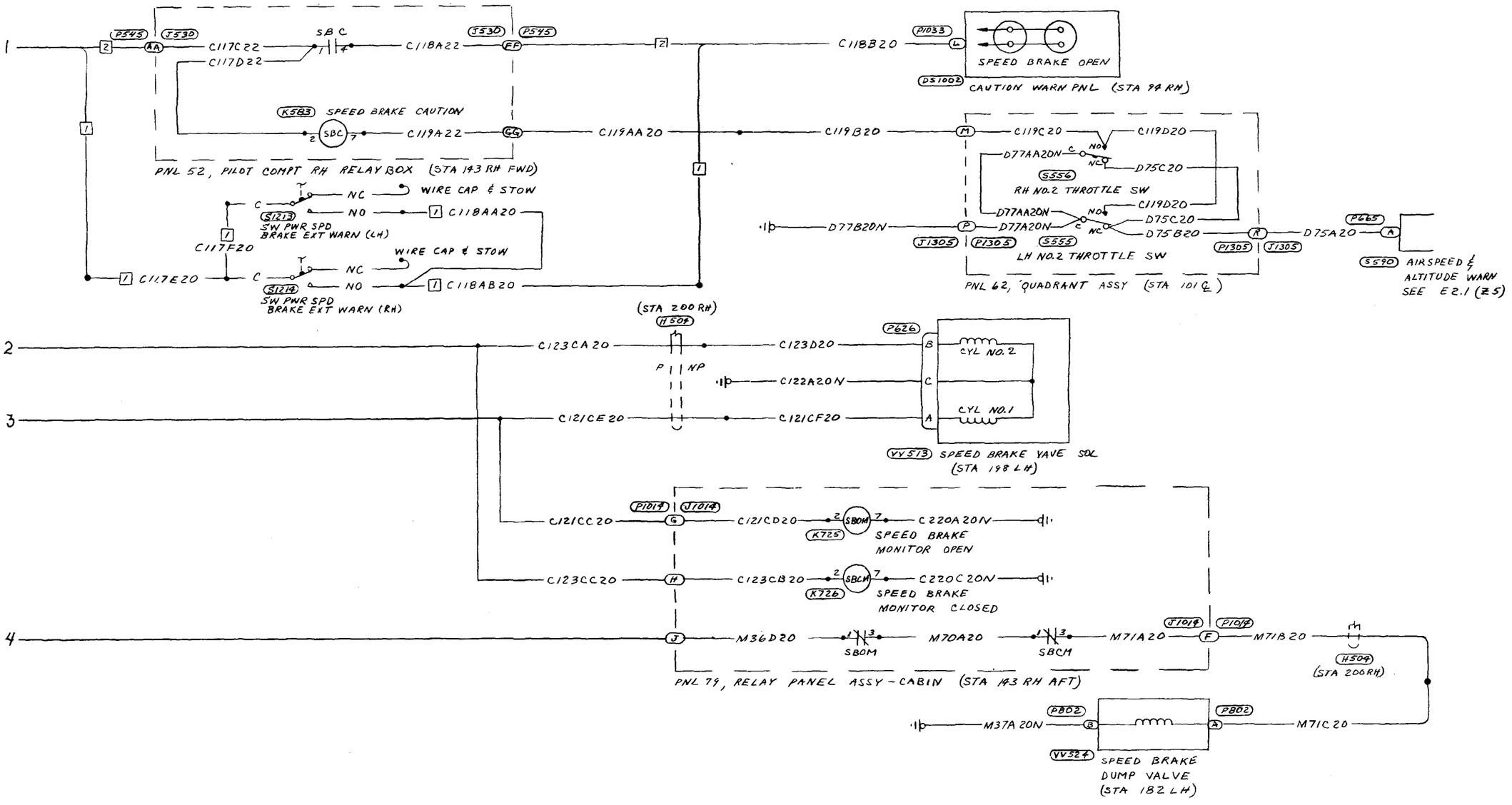

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CHAPTER

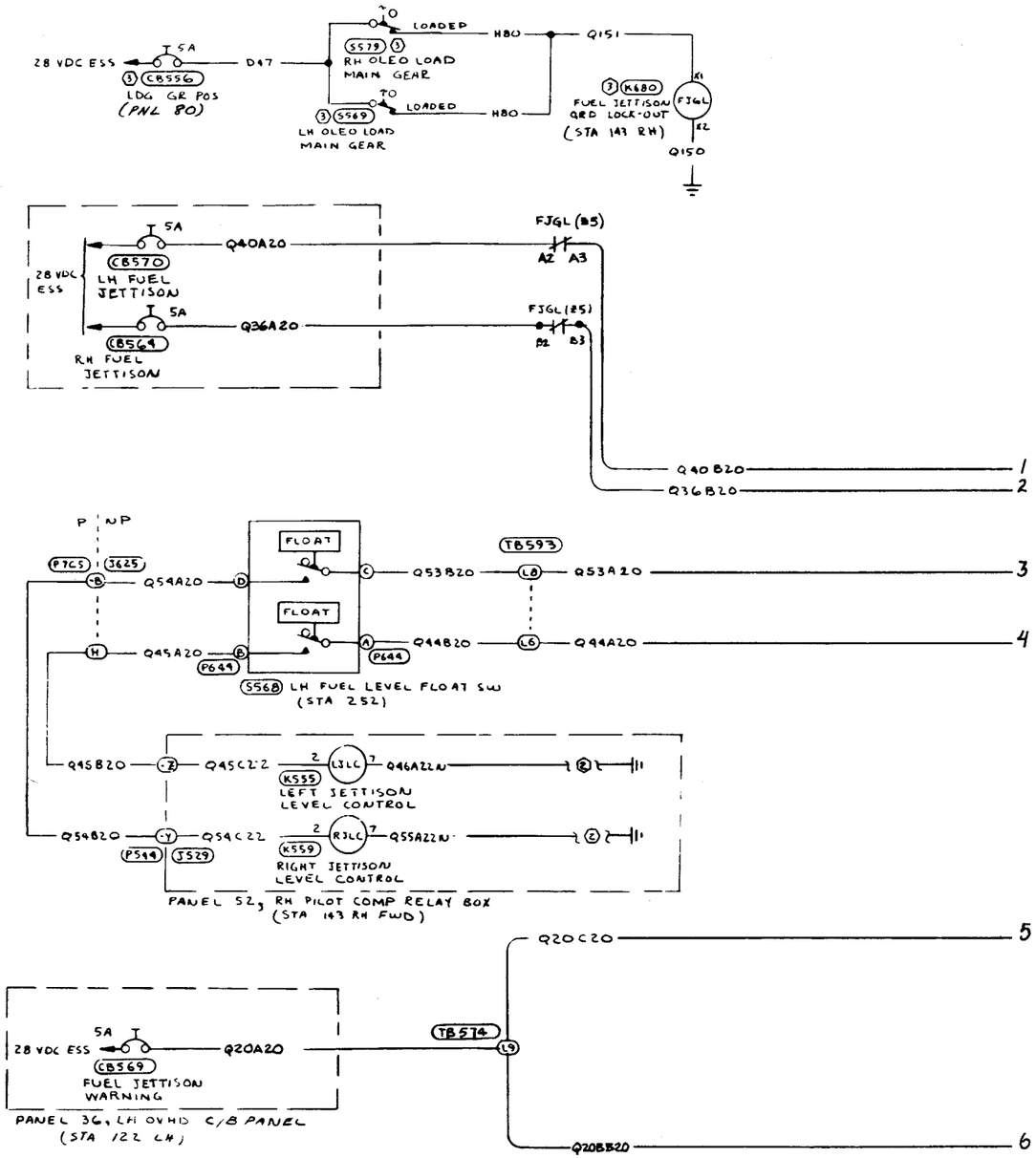
28

FUEL

SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	**DESCRIPTION**	**LOCATION**
PANEL 35	MASTER SW PANEL	STA. 110 ℄
PANEL 80	RH OUTBOARD OVERHEAD	STA. 127 RH
PANEL 81	LH OUTBOARD OVERHEAD	STA. 126 LH
PANEL 46	R.H. ENGINE SW PNL PEDESTAL	STA. 95 ℄
PANEL 52	RH PILOT COMP RELAY BOX	STA. 143 FWD
P544	PLUG, PANEL 52 DISC (J529)	STA. 143 R.H.
P545	PLUG, PANEL 52 DISC (J530)	STA. 143 R.H.
P555	PLUG, ENG SWITCH PANEL (J540)	STA. 95 ℄
P564	PLUG, ELECT MASTER & EMER O'HD SW PANEL (J549)	STA. 110 ℄
P565	PLUG, ELECT MASTER & EMER O'HD SW PANEL (J550)	STA. 110 ℄
P644	PLUG, L.H. FUEL FLOAT SW SPAR DISCONNECT	STA. 257
P645	PLUG, R.H. FUEL FLOAT SW SPAR DISCONNECT	STA. 257
P646	PLUG, TANK X-FEED FUEL VALVE SPAR DISC	STA. 257
P700	PLUG, PRESS BHD (J630)	STA. 333 AFT
P705	PLUG, WING DISCONNECT (J625)	STA. 206 RH
TB505	TERM. BD	
TB572	TERM BD	STA 143 RH
TB574	TERM BD	STA 143 RH
TB593	TERM BD	STA 298
TB580	TERM BD	STA 357
TB600	TERM BD	STA 143 RH

NOTES/LEGEND

2. FOR DETAIL GROUND CIRCUIT SEE:
   B1 ELECTRICAL GROUND SYSTEM
3. SHOWN IN SCHEMATIC FORM FOR DETAIL CIRCUIT SEE:
   E2.1 LDG GR POS IND SYS
4. FOR ACTUATION OF RELAY CONTACTS SEE C2.1



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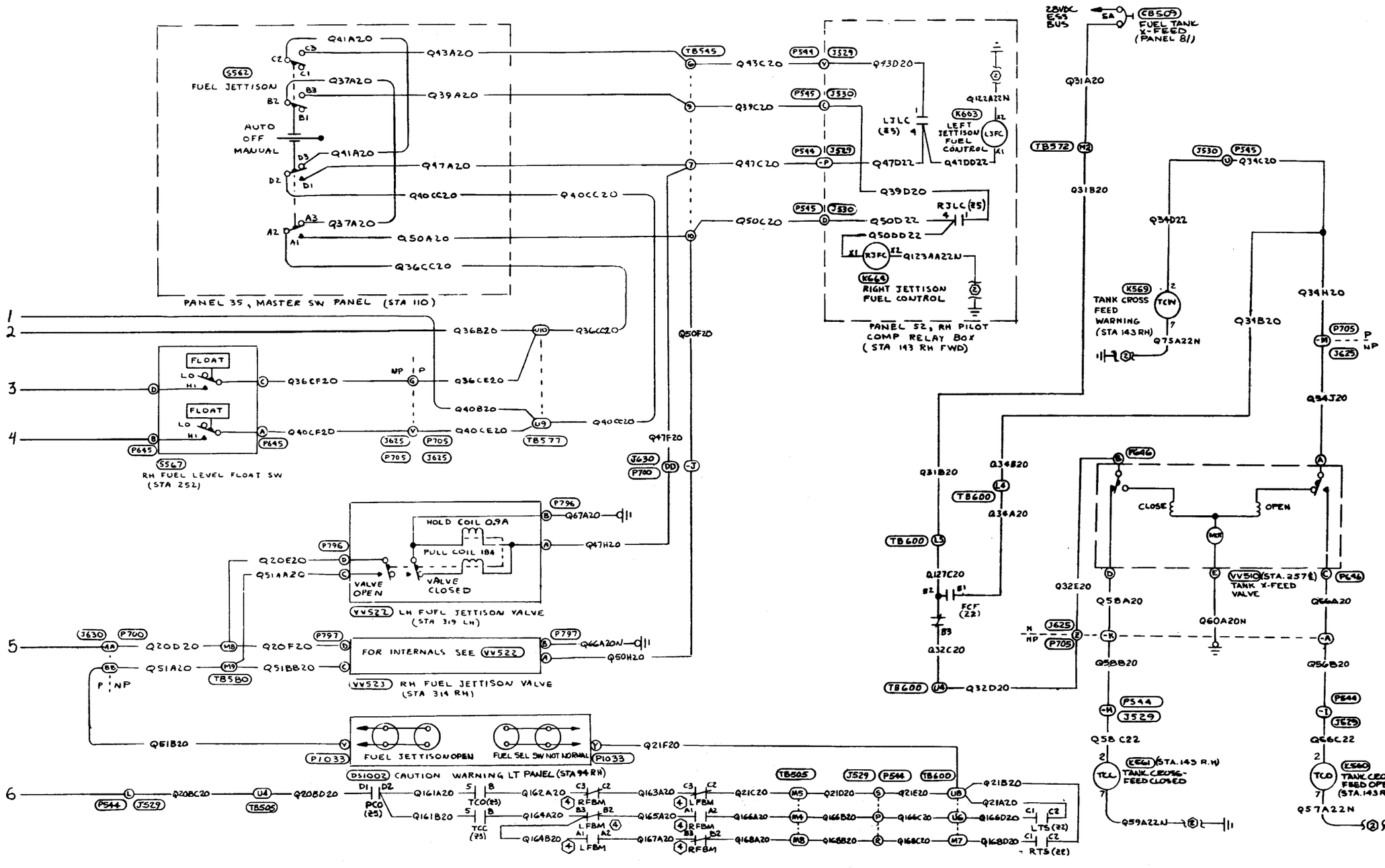

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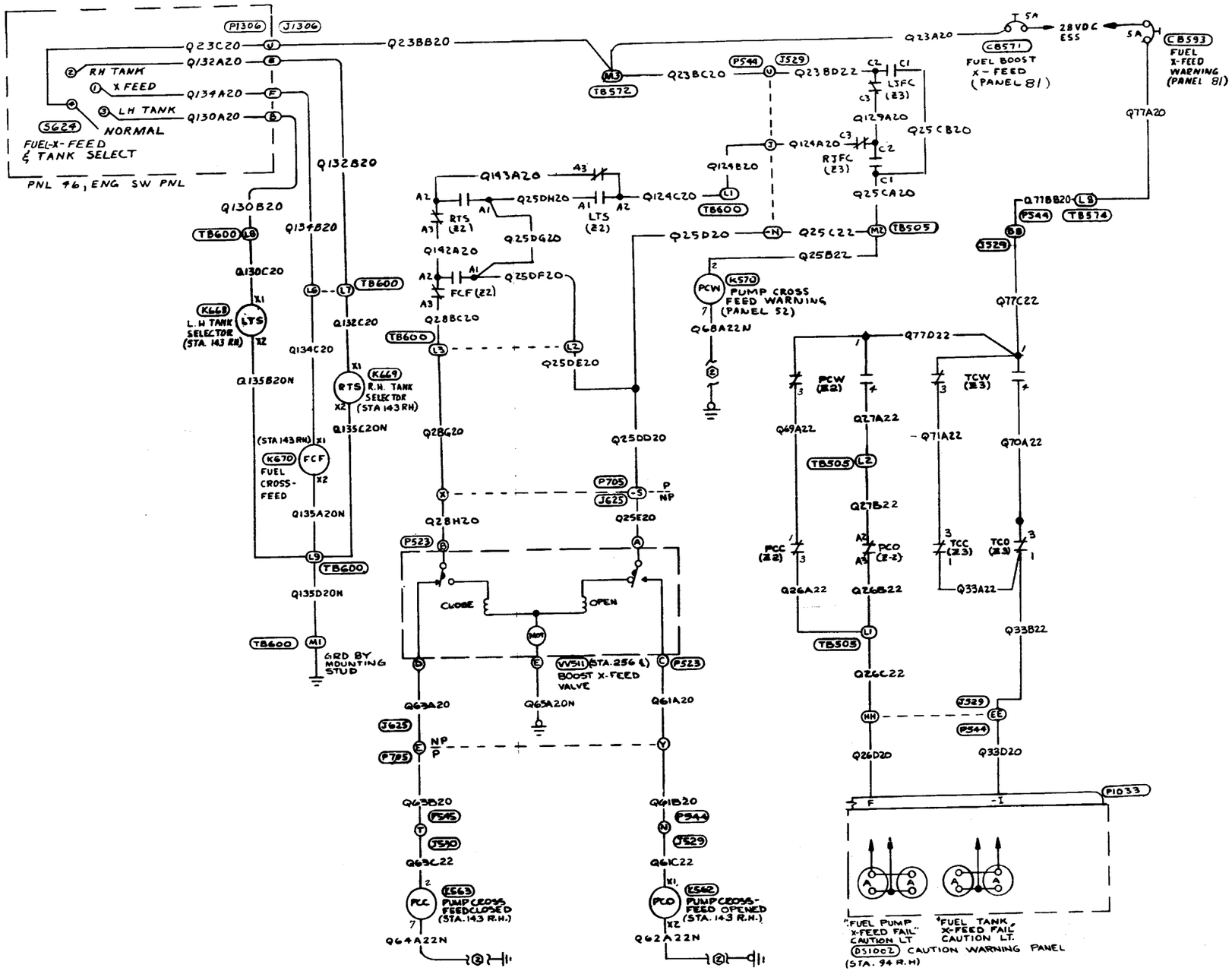

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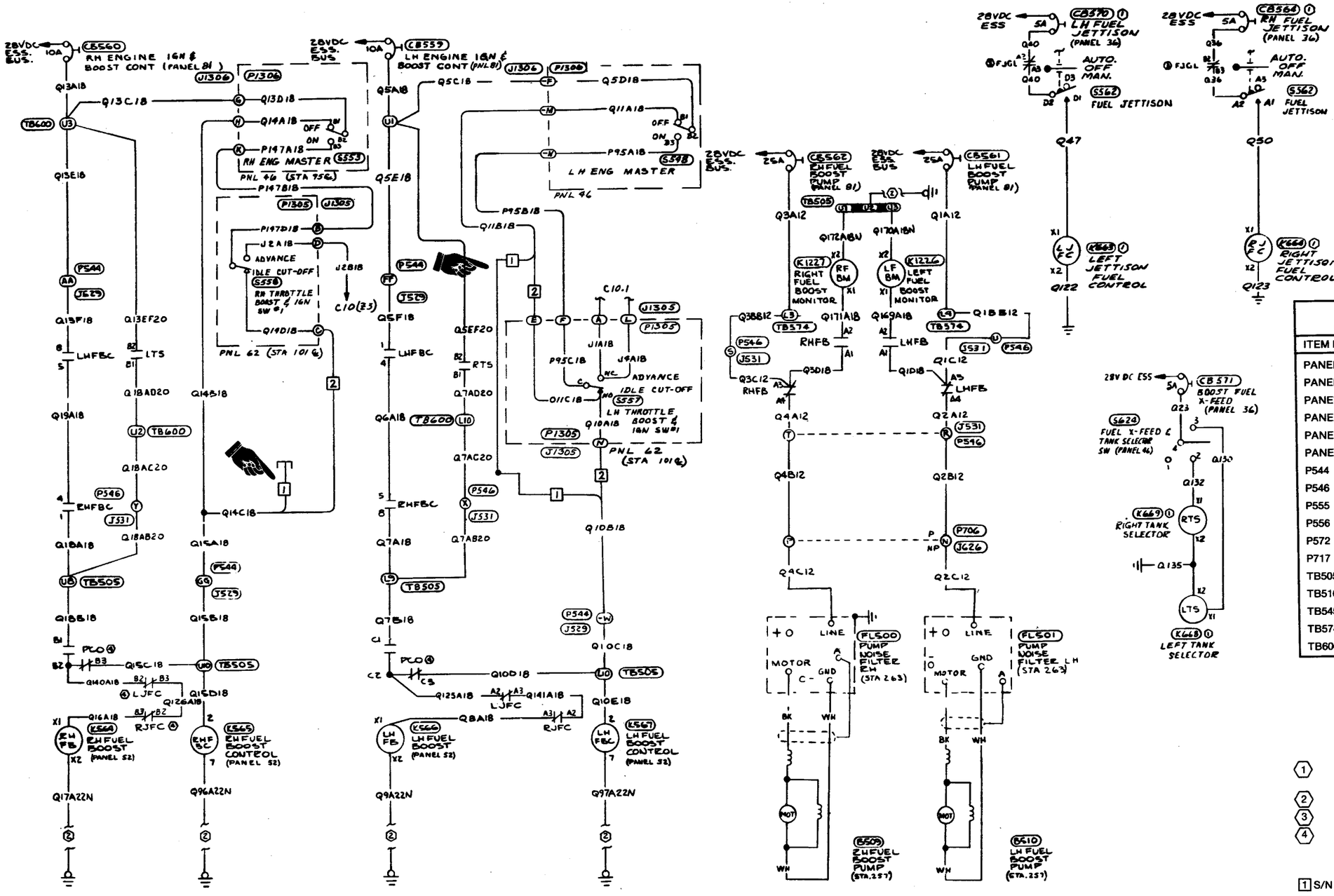
28VDC ESS. BUS. 10A CB560 RH ENGINE IGN & BOOST CONT (PANEL 81)
28VDC ESS. BUS 10A CB559 LH ENGINE IGN & BOOST CONT (PNL 81)
RH ENG MASTER S553
PNL 46 (STA 754)
LH ENG MASTER
PNL 46
ADVANCE
IDLE CUT-OFF
S558 RH THROTTLE BOOST & IGN SW #1
S557 LH THROTTLE BOOST & IGN SW #1
PNL 62 (STA 101 ¢)
PNL 62 (STA 101 ¢)
TB600
TB505
LHFBC
RHFBC
LTS
RTS
EHFBC
LHFBC
K564 EH FUEL BOOST (PANEL 52)
K565 EH FUEL BOOST CONTEOL (PANEL 52)
K566 LH FUEL BOOST (PANEL 52)
K567 LH FUEL BOOST CONTROL (PANEL 52)
LJFC
RJFC
28VDC ESS. BUS. 25A CB562 RH FUEL BOOST PUMP (PANEL 81)
28VDC ESS BUS 25A CB561 LH FUEL BOOST PUMP (PANEL 81)
K1227 RIGHT FUEL BOOST MONITOR
K1226 LEFT FUEL BOOST MONITOR
RF BM
LF BM
RHFB
LHFB
FL500 PUMP NOISE FILTER RH (STA 263)
FL501 PUMP NOISE FILTER LH (STA 263)
B509 RH FUEL BOOST PUMP (STA. 257)
B510 LH FUEL BOOST PUMP (STA. 257)
28VDC ESS 5A CB570 LH FUEL JETTISON (PANEL 36)
28VDC ESS 5A CB564 RH FUEL JETTISON (PANEL 36)
AUTO. OFF MAN.
S562 FUEL JETTISON
K663 LEFT JETTISON FUEL CONTROL
K664 RIGHT JETTISON FUEL CONTROL
Q122
Q123
28V DC ESS CB571 BOOST FUEL X-FEED (PANEL 36)
S624 FUEL X-FEED & TANK SELECTOR SW (PANEL 46)
K669 RIGHT TANK SELECTOR
K668 LEFT TANK SELECTOR

SUPPLEMENTARY LOCATION LIST
(FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)

ITEM NO.	DESCRIPTION	LOCATION
PANEL		
PANEL 46	RH ENG SW PANEL, PEDESTAL	95 ¢
PANEL 47	LH ENG SW PANEL, PEDESTAL	95 ¢
PANEL 52	RH PILOT COMPT RELAY BOX	143 RH (FWD)
PANEL 62	QUADRANT ASSY-THROTTLE CONTROL	101 ¢
PANEL 81	LH OUTBOARD OVERHEAD	126 LH
P544	PLUG - PANEL 52 DISC. (J529)	143 RH (FWD)
P546	PLUG - PANEL 52 DISC. (J531)	143 RH (FWD)
P555	PLUG - PANEL 46 DISC. (J540)	95 ¢
P556	PLUG - PANEL 47 DISC. (J541)	95 ¢
P572	PLUG - PANEL 36 DISC. (J557)	122 LH
P717	PLUG - PANEL 62 DISC. (J712)	101 ¢
TB505	TERMINAL BOARD PANEL 52	143 RH (FWD)
TB516	TERMINAL BOARD	125 RH
TB545	TERMINAL BOARD	143 RH (AFT)
TB574	TERMINAL BOARD	143 RH (AFT)
TB600	TERMINAL BOARD	143 RH (FWD)

NOTES/LEGEND

1. SEE APPLICABLE EFFECTIVITY OF SYSTEMS LISTED BELOW
   B7.1 ELECTRICAL GROUND SYSTEM
   C1.1 FUEL JETTISON & CROSS FEED SYSTEM
   C9.1 ENGINE STARTING SYSTEM
   E2.1 LANDING GEAR POS INDICATION SYSTEM.
2. (1) SHOWN IN SCHEMATIC FOR CIRCUITRY ONLY, FOR DETAIL CIRCUIT SEE C1.1
3. (2) FOR DETAIL GROUND CIRCUIT SEE B7.1
4. (3) FOR ACTUATION OF RELAY CONTACTS SEE E2.1
5. (4) FOR ACTUATION OF RELAY CONTACTS SEE C1.1

EFFECTIVITY

[1] S/N 370-1 AND SUBS CHANGED BY SOK 81-4

[2] S/N 370-1 AND SUBS NOT CHANGED BY SOK 81-4

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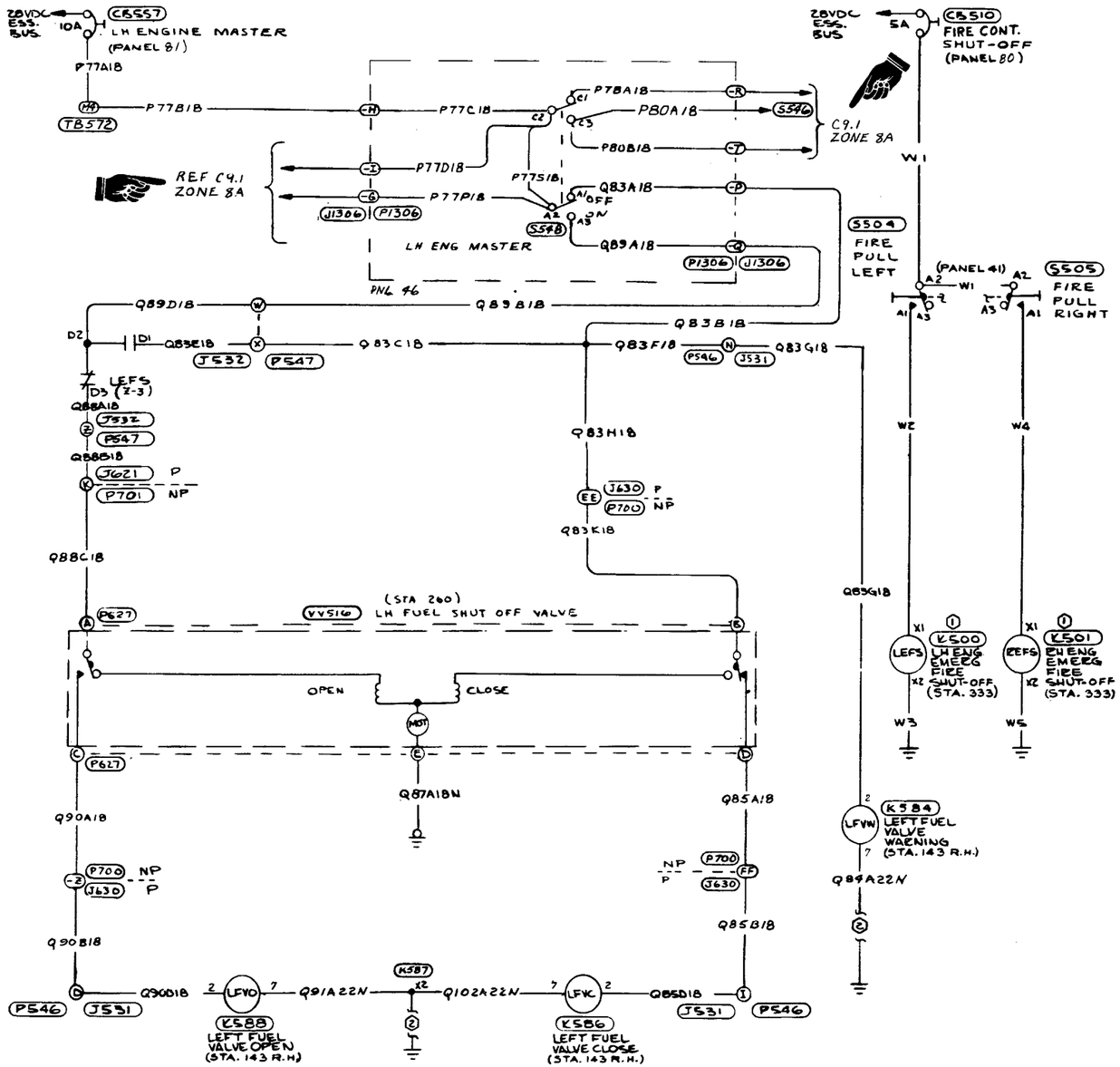
SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	**DESCRIPTION**	**LOCATION**
PANEL 80	RH OUTBOARD OVERHEAD	126 RH
PANEL 81	LH OUTBOARD OVERHEAD	126 LH
PANEL 41	ENGINE FIRE CONTROL PANEL	STA. 98 ℄
PANEL 46	R.H. ENGINE SWITCH PANEL, PED.	STA. 95 ℄
PANEL 47	L.H. ENGINE SWITCH PANEL, PED.	STA. 95 ℄
P546	PLUG, RELAY BOX J531	STA. 143 R.H.
P547	PLUG, ELEC PWR & ENG STARTER REL BOX J532	STA. 333 ℄
P555	PLUG, R.H. ENG SW PNL J540	STA. 95 ℄
P556	PLUG, L.H. ENG SW PNL J541	STA. 95 ℄
P627	PLUG, L.H. FUEL SHUT OFF VALVE	STA. 260 ℄
P628	PLUG, R.H. FUEL SHUT OFF VALVE	STA. 252 ℄
P700	PLUG, PRESS DISC (J630)	STA. 333 (AFT)
P701	PLUG, PRESS DISC (J621)	STA. 333 (AFT)
TB574	TERM BOARD FIELD BREAK	143 RH (AFT)

NOTES/LEGEND

1. SHOWN IN SCHEMATIC FORM FOR CIRCUITRY ONLY, FOR DETAIL SEE H4.1
2. FOR DETAIL GROUND CIRCUIT SEE B7.1
3. SEE APPLICABLE EFFECTIVITY OF SYSTEM LISTED BELOW:
   - B7.1 ELECTRICAL GROUND SYSTEM
   - C9.1 ENGINE STARTING SYSTEM
   - H4.1 ENGINE FIRE EXTINGUISHER SYSTEM
4. L6.1 HYD PUMP SYSTEM



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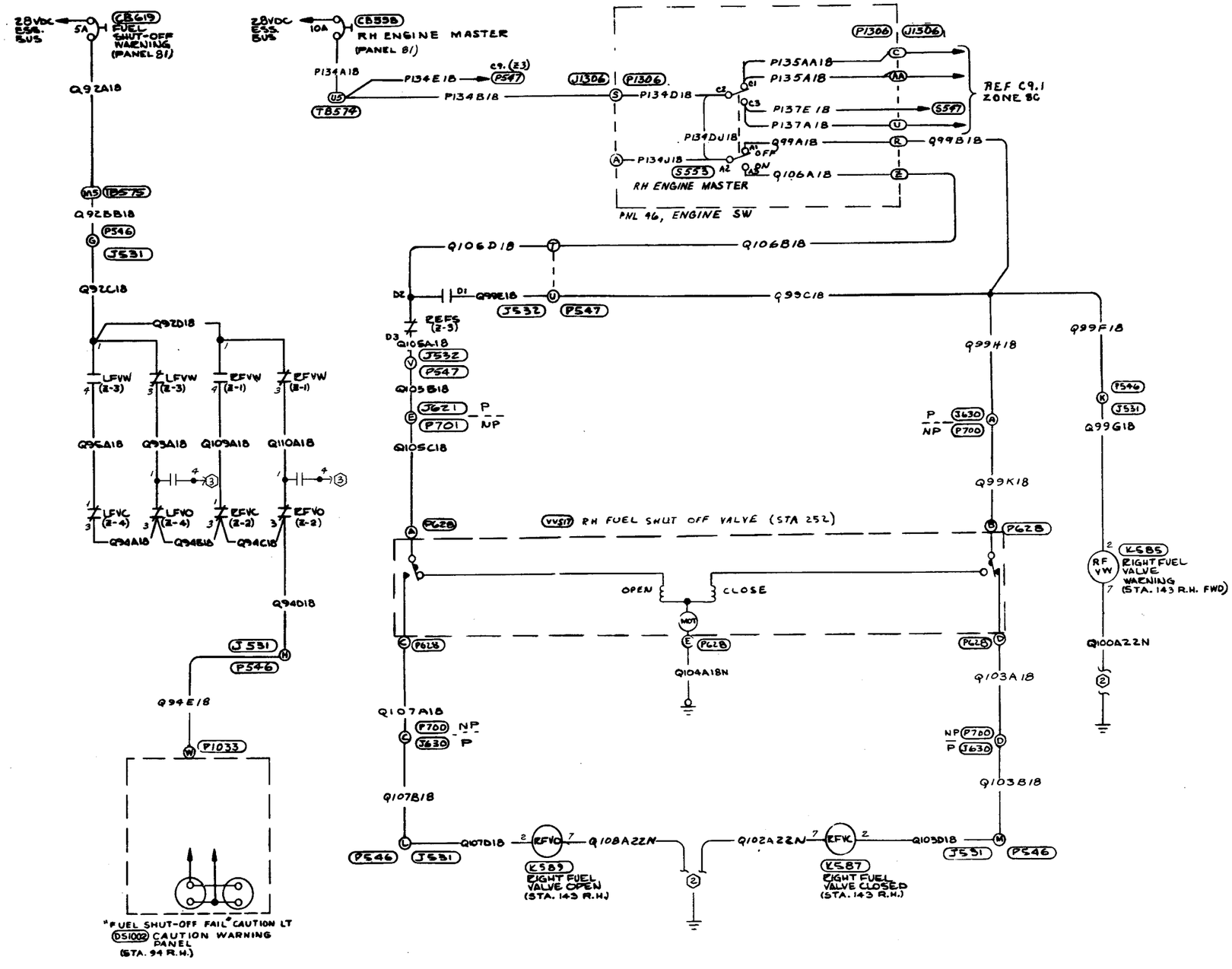

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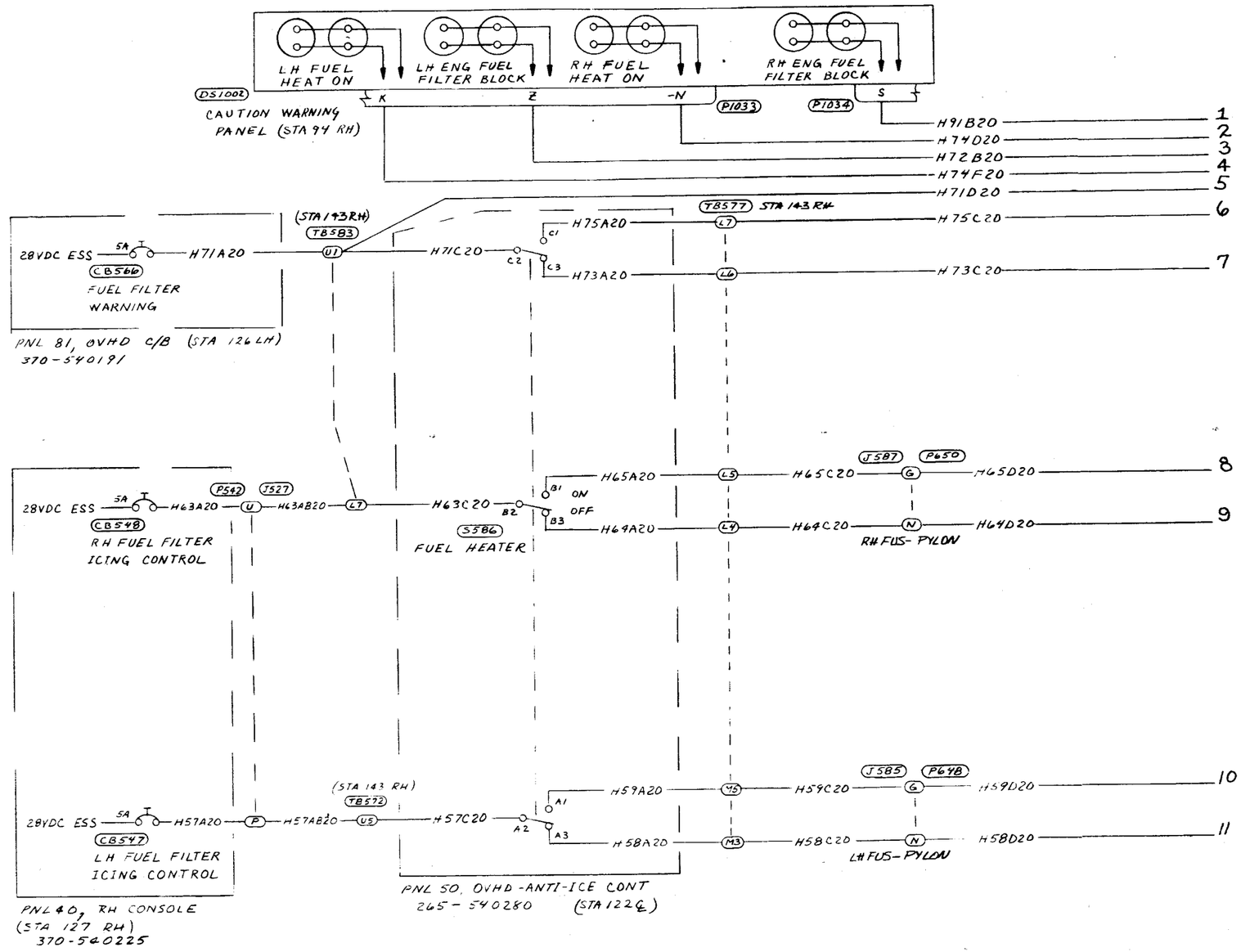

NOTES/LEGEND

1. SEE B7.1 ELECTRICAL GROUND SYSTEM
2. JUMPER AND DIODE (1N4007) ADDED PER S/B 83-8

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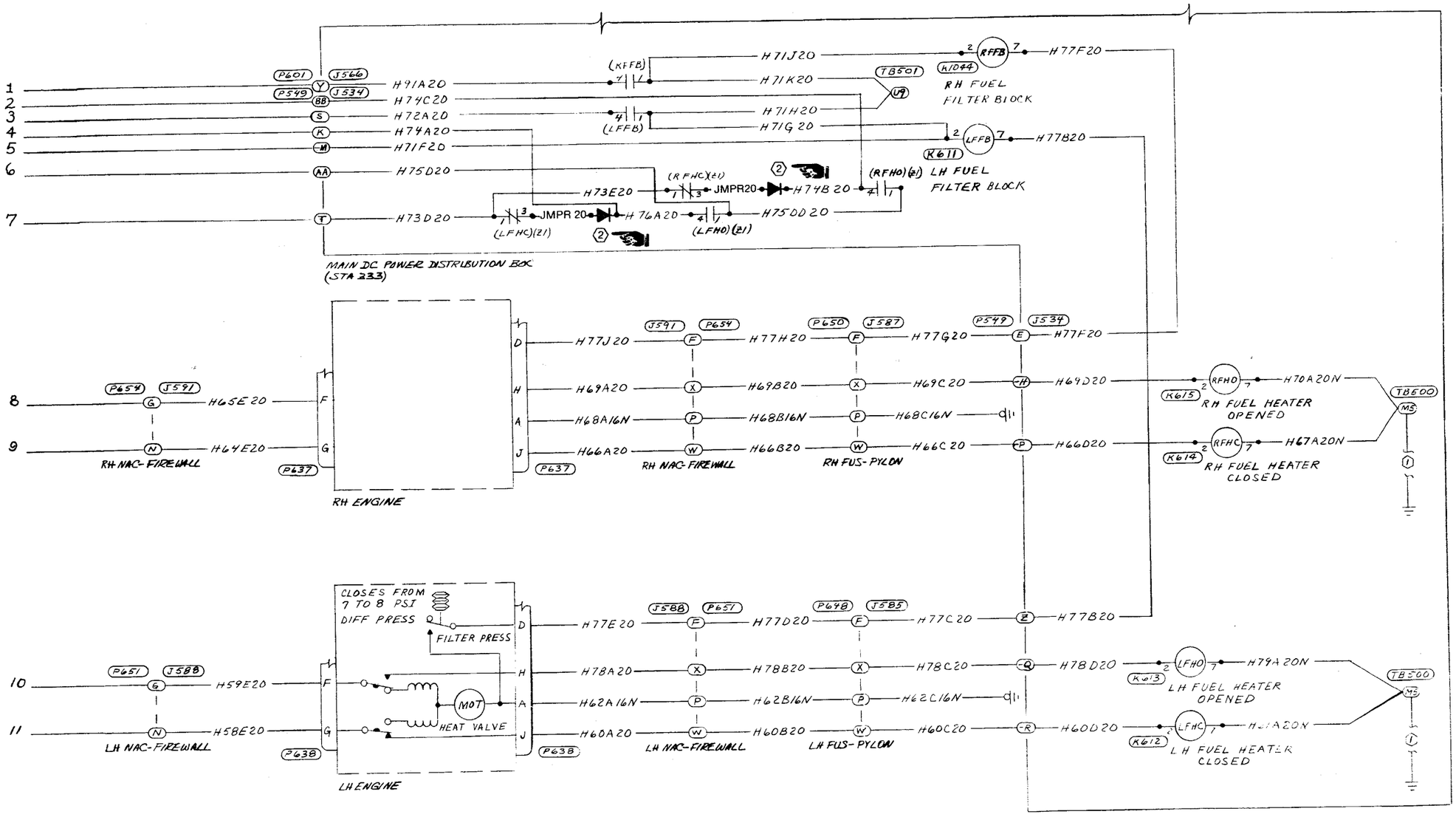

FUEL FILTER WARNING SYSTEM
NA265-70, 370-1 and Subs
(Sheet 2 of 2)

28-20-4
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Jun 3/85

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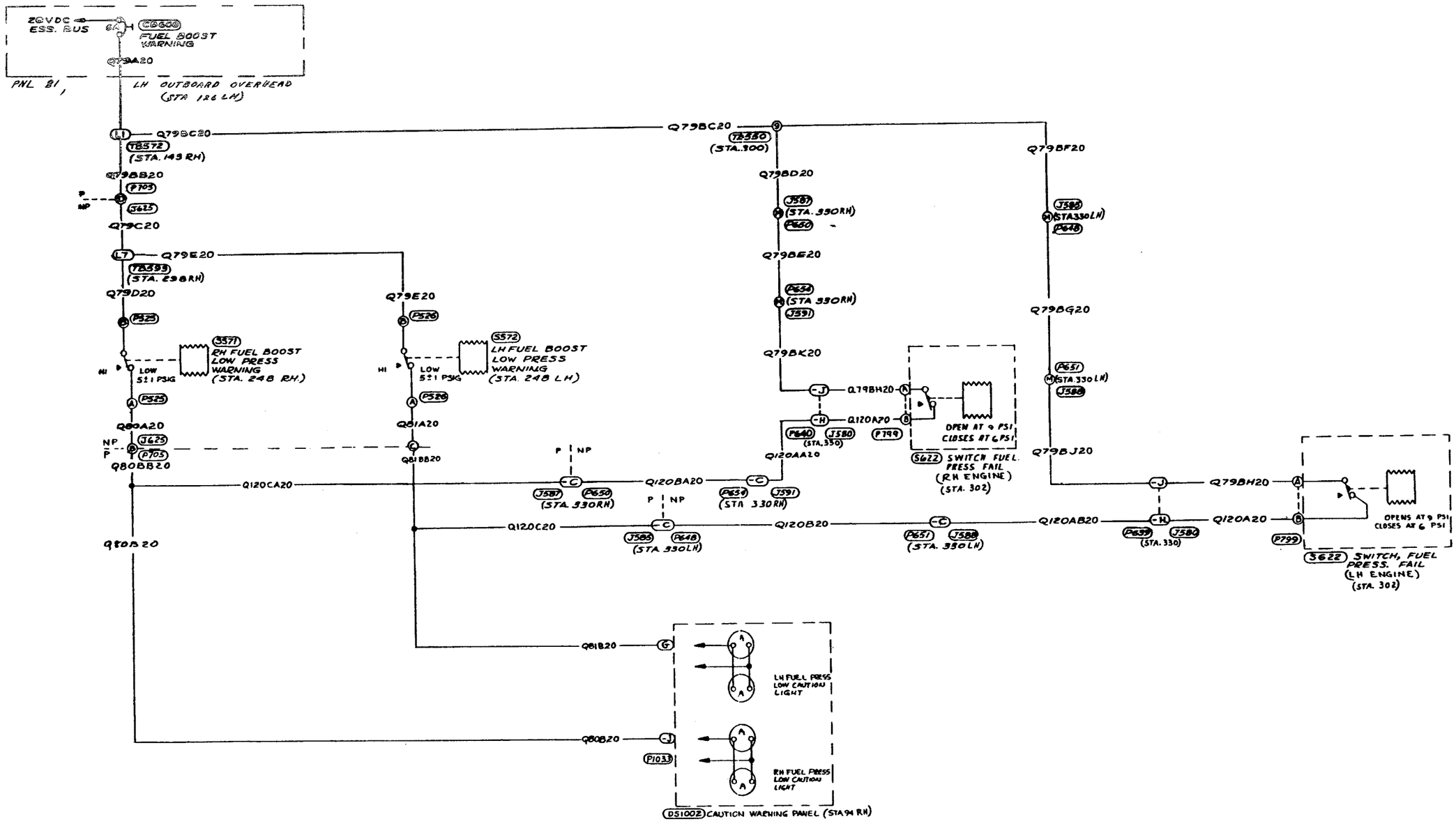

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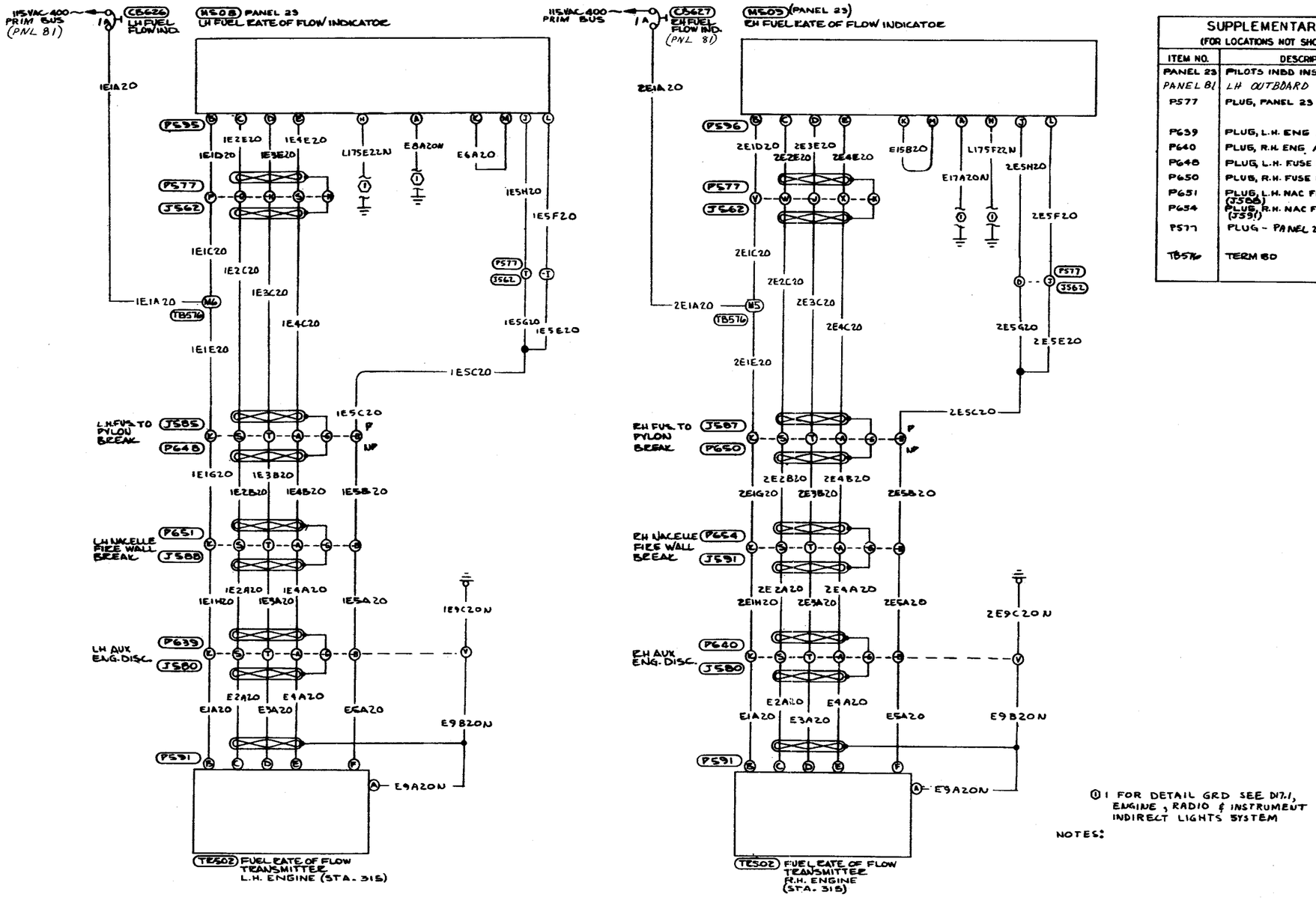

SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	DESCRIPTION	LOCATION
PANEL 23	PILOTS INBD INST.	STA. 94 L.H.
PANEL 81	LH OUTBOARD OVERHEAD	STA 126 LH
PS77	PLUG, PANEL 23 DISC (JS62)	STA. 94 L.H.
PG39	PLUG, L.H. ENG AUX DISC (JS80)	STA. 330
PG40	PLUG, R.H. ENG AUX DISC (JS80)	STA. 330
PG48	PLUG, L.H. FUSE PYLON DISC (JS85)	STA. 330 LH
PG50	PLUG, R.H. FUSE PYLON DISC (JS87)	STA. 330 RH
PG51	PLUG, L.H. NAC FIREWALL DISC (JS88)	STA. 330 LH
PG54	PLUG, R.H. NAC FIREWALL DISC (JS91)	STA. 330 RH
PS77	PLUG - PANEL 23 DISC	STA 94 L.H
TB57W	TERM BD	STA 143 RH

① I FOR DETAIL GRD SEE D17.1, ENGINE, RADIO & INSTRUMENT INDIRECT LIGHTS SYSTEM

NOTES:

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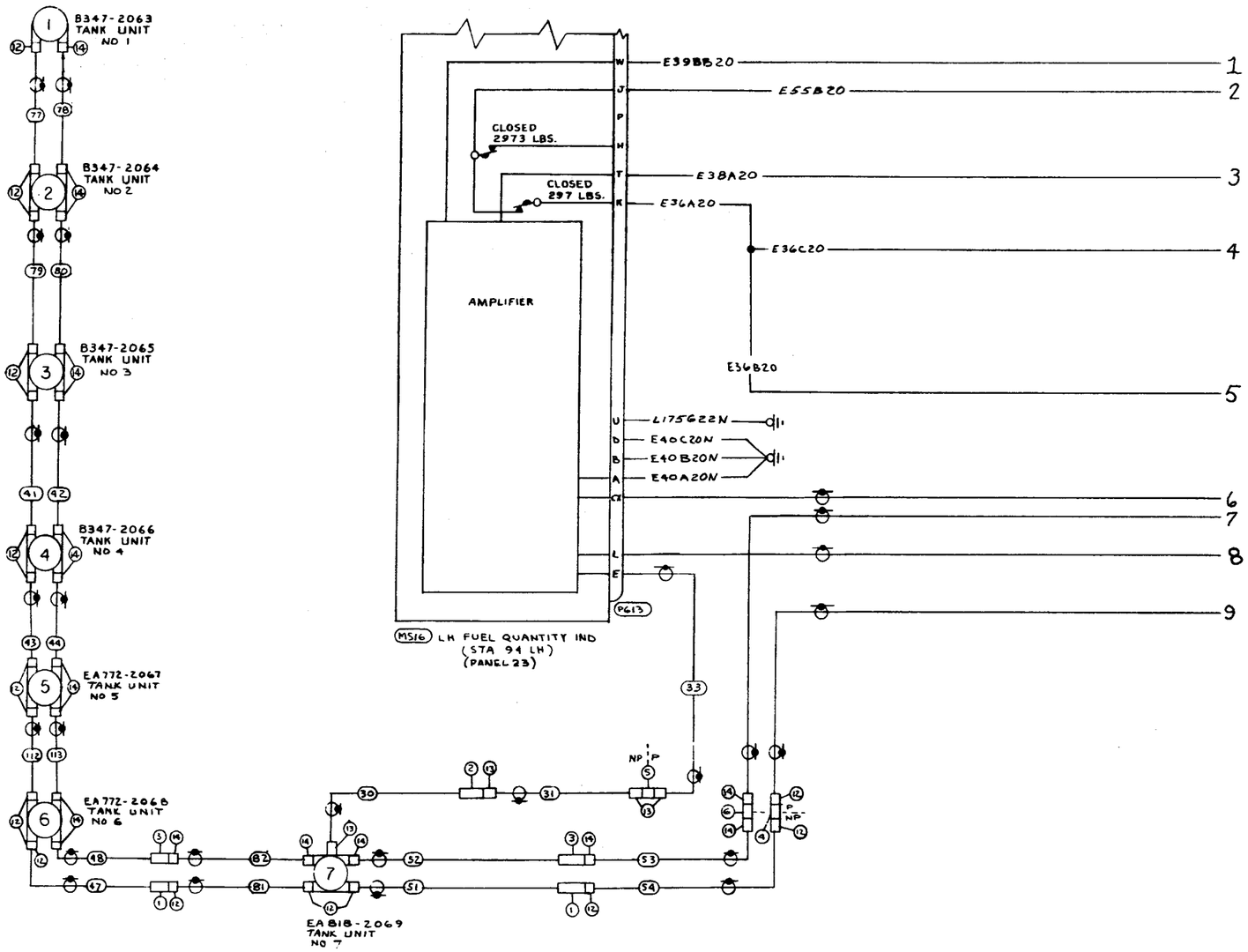
NOTES/LEGEND

1. FOR DETAIL GRD SYSTEM SEE:
   D16.1 CONSOLE INDIRECT LIGHTING SYSTEM

POL	PART NO	DESCRIPTION	CODE
A	1-729-1	SPAR FTG CABLE JACK	1
B	1-730-1	SPAR FTG CABLE JACK	2
F	5435-1	SPAR FTG CABLE JACK	3
A	1-796-1	BLKHD FEED THRU JACK	4
B	1-797-1		5
E	1-740-1		6
E	1-699-1		7
K	1-957-1		8
J	1-956-1	BLKHD FEED THRU JACK	9
L	1-939-1	CABLE PLUG	10
J	1-938-1	CABLE PLUG	11
A	1-373-1	CABLE PLUG	12
B	1-630-1		13
F	1-718-1		14
E	1-719-1		15
K	5237-1		16
J	6221-1		17
A	5295-1		18
E	6219-1		19
B	6218-1	CABLE PLUG	20

CODE	PART NUMBER	DESCRIPTION
30	265-510004-1	CABLE ASSY
31	-71	
32	-81	
33	-111	
34	-121	
	265-310004	
41	265-510007-91	
42	51	
43	61	
44	71	
47	101	
48	111	
51	141	
52	151	
77	181	
78	191	
79	201	
80	211	
81	221	
82	231	
110	241	
111	251	
112	261	
113	265-510007-271	
53	265-510008-241	
54	-251	
55	-261	
56	-271	
65		
66		
67		
68		
73	-281	
74	-291	
75	-301	
76	265-510008-311	CABLE ASSY
85	265-511008-281	CABLE ASSY
87	-291	
89	-301	
91	-311	
93	-321	
94	-331	
95	-341	
96	265-511008-351	CABLE ASSY



FUEL QUANTITY INDICATING SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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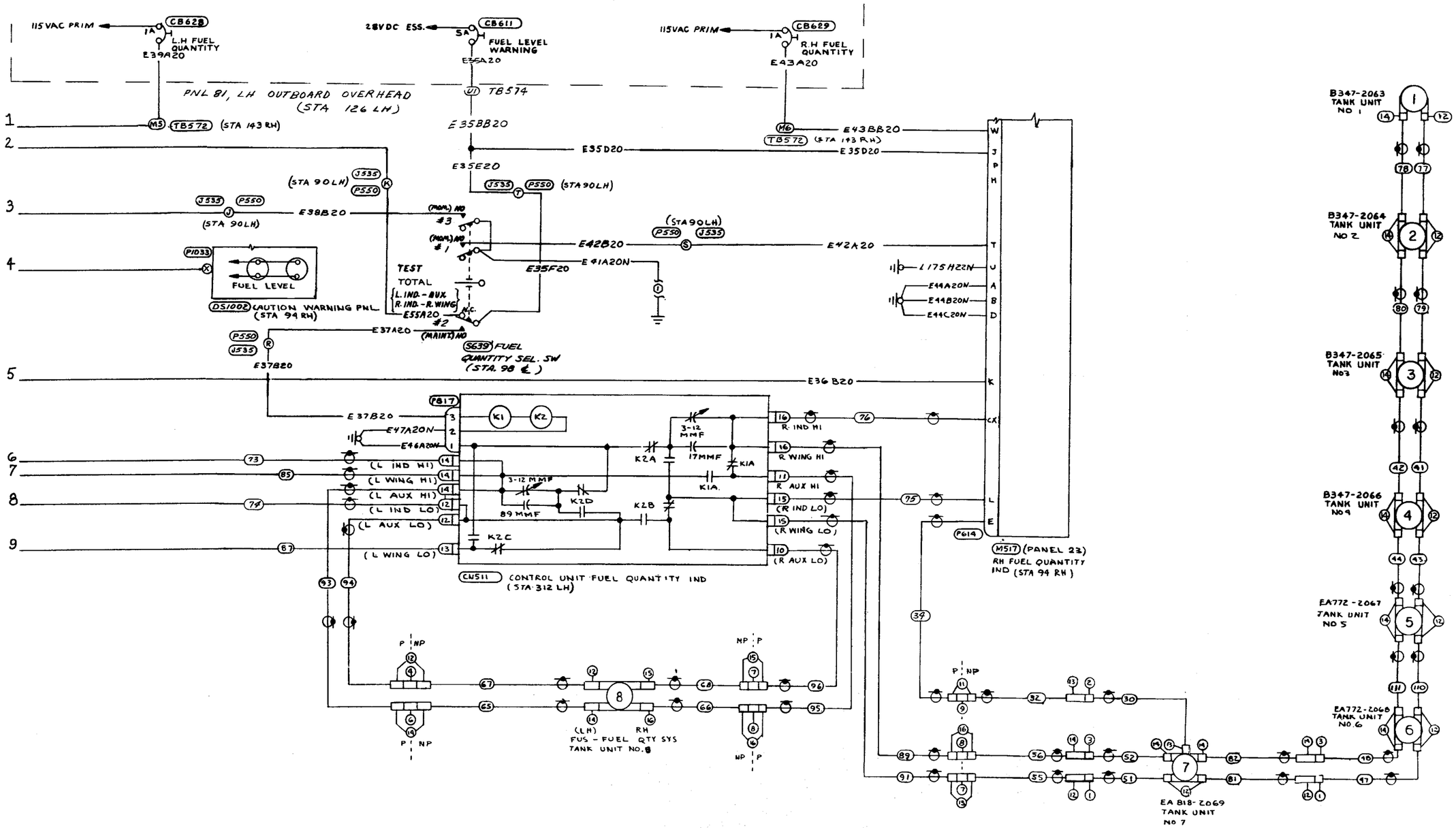

FUEL QUANTITY INDICATING SYSTEM
NA265-70, 370-1 and Subs
(Sheet 2 of 2)

28-40-3
Page 3
Mar 15/84

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CHAPTER 29

HYDRAULIC POWER

SUPPLEMENTARY LOCATION LIST
(FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)

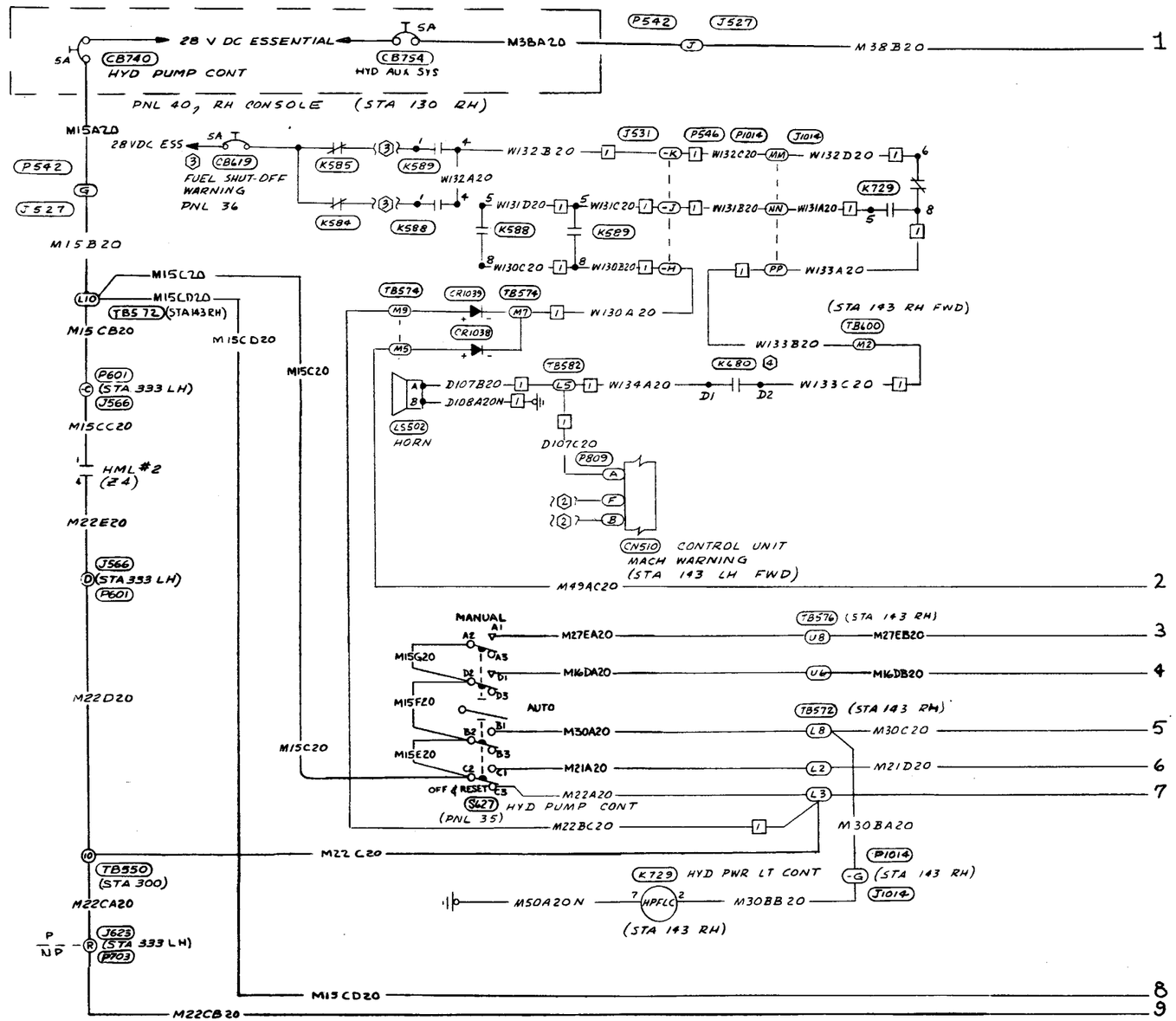
ITEM NO.	DESCRIPTION	LOCATION
PANEL 11	MAIN DC PWR DISC & LB BOX	333 ℄
PANEL 64	MAIN DC PWR DISC BOX-RELAY PNL	333 ℄
PANEL 60	MAIN DC PWR DISC BOX-RELAY PNL	333 ℄
PANEL 57	AFT. FUSE CRT. H & V RELAY BOX	401 R.H.
PANEL 35	HYD SYSTEM CONT OVHD SW PNL	110 ℄
TB598	TERM BD	143 R.H.

NOTES/LEGEND

1. FOR DETAIL GROUND CIRCUIT SEE B7.1
2. SEE APPLICABLE EFFECTIVITY OF SYSTEM LISTED BELOW
   B2.1 DC BUS TIE-IN SYSTEM
   B7.1 ELECTRICAL GROUND SYSTEM
3. SHOWN IN SCHEMATIC FORM FOR COMPLETE DETAILS SEE:
   R1.1 AUDIO SYS PROV
4. SHOWN IN SCHEMATIC FORM FOR COMPLETE DETAILS SEE:
   C4.1 FUEL SHUT-OFF SYSTEMS
5. SHOWN IN SCHEMATIC FORM FOR COMPLETE DETAILS SEE:
   C1.1 FUEL JETTISON & CROSS FEED SYS
6. SHOWN IN SCHEMATIC FORM FOR COMPLETE DETAILS SEE:
   H4.1 ENG FIRE EXT SYS

EFFECTIVITY

1. S/N 370-9 ONLY
2. S/N 370-2 THRU -6, -8 & -9
3. S/N 370-7
4. S/N 370-2 AND SUBS NOT CHANGED BY SOK 25
5. S/N 370-2 AND SUBS CHANGED BY SOK 25



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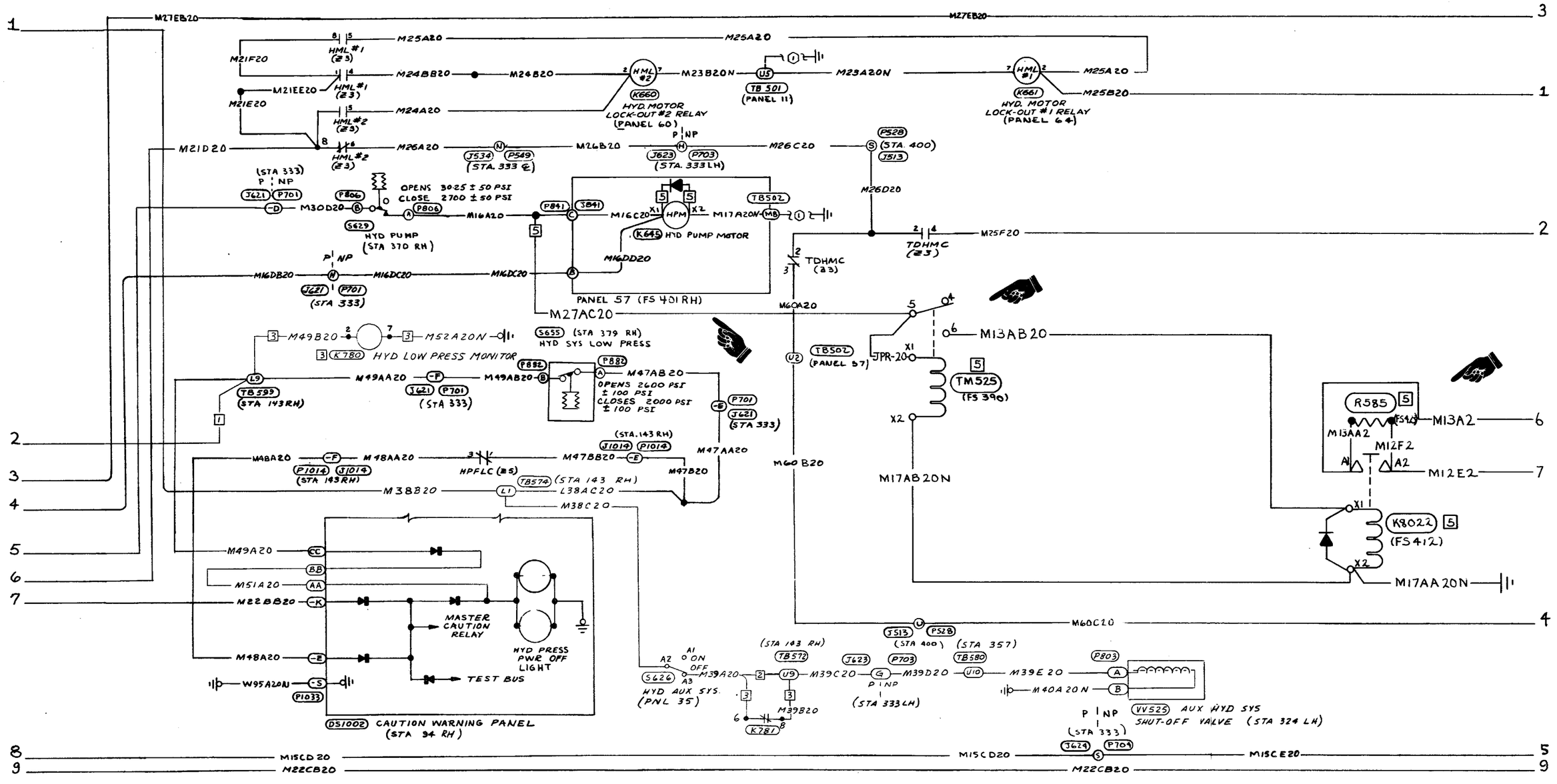

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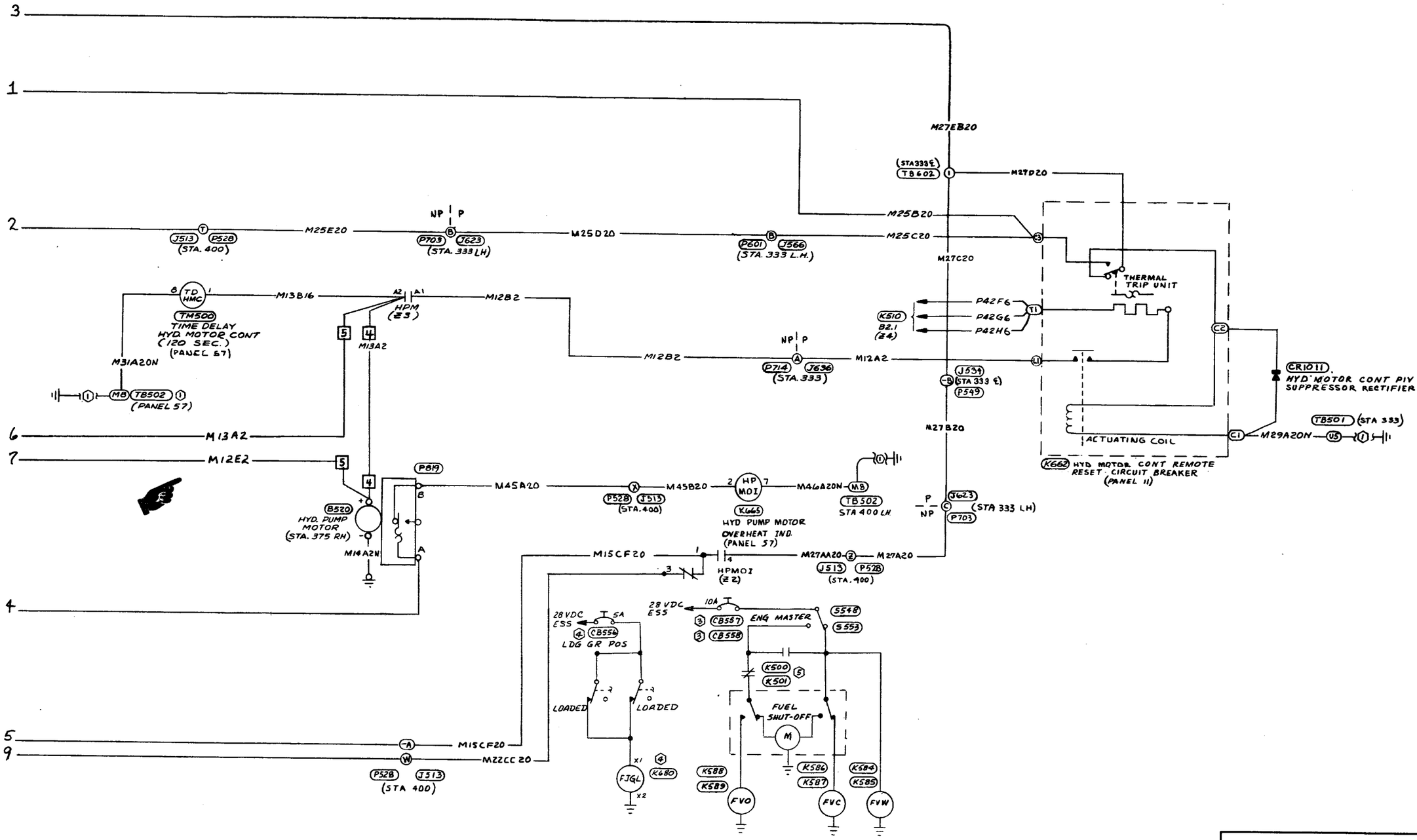

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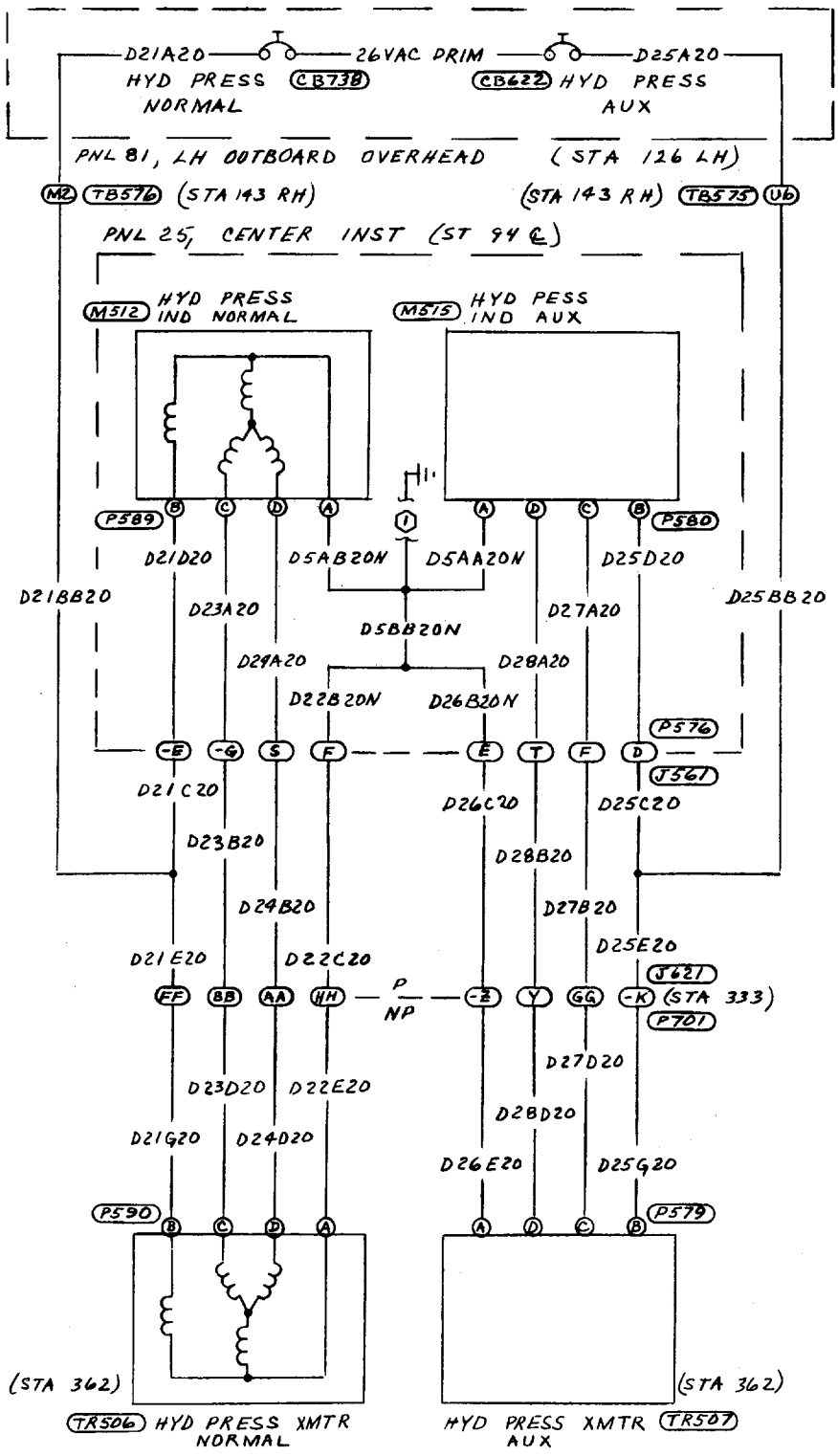

NOTE. 1. (1) SEE DIT. ENG, RADIO & INST INDIR LIGHTING

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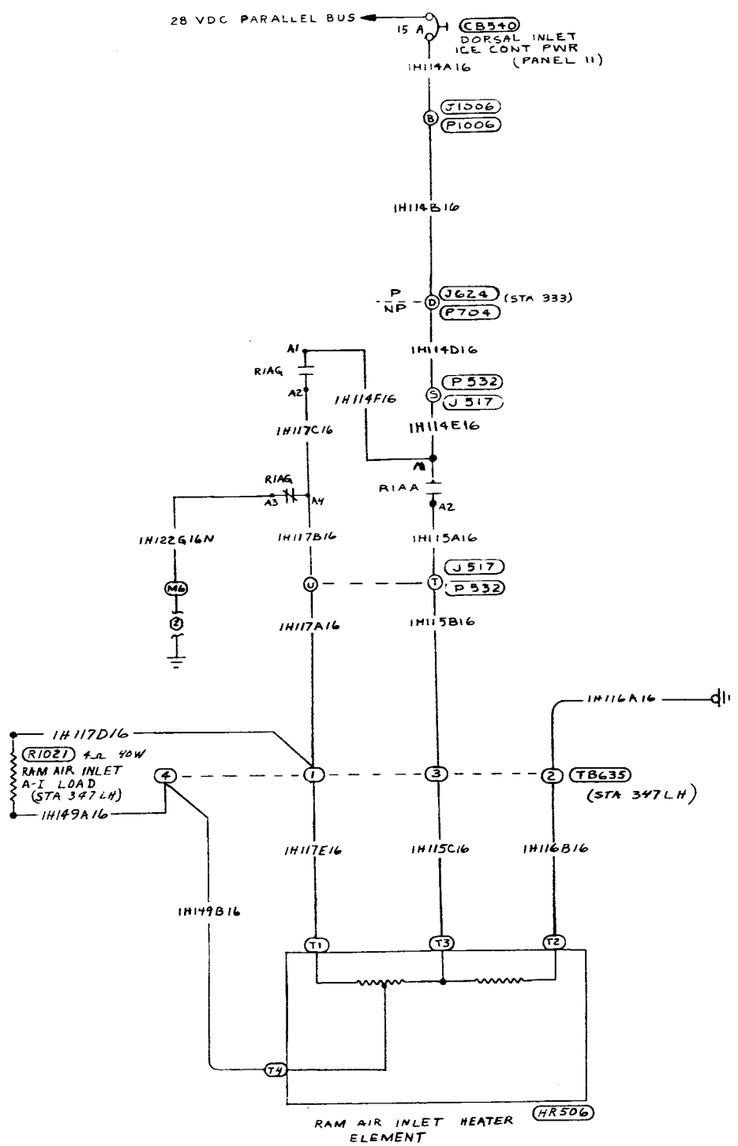
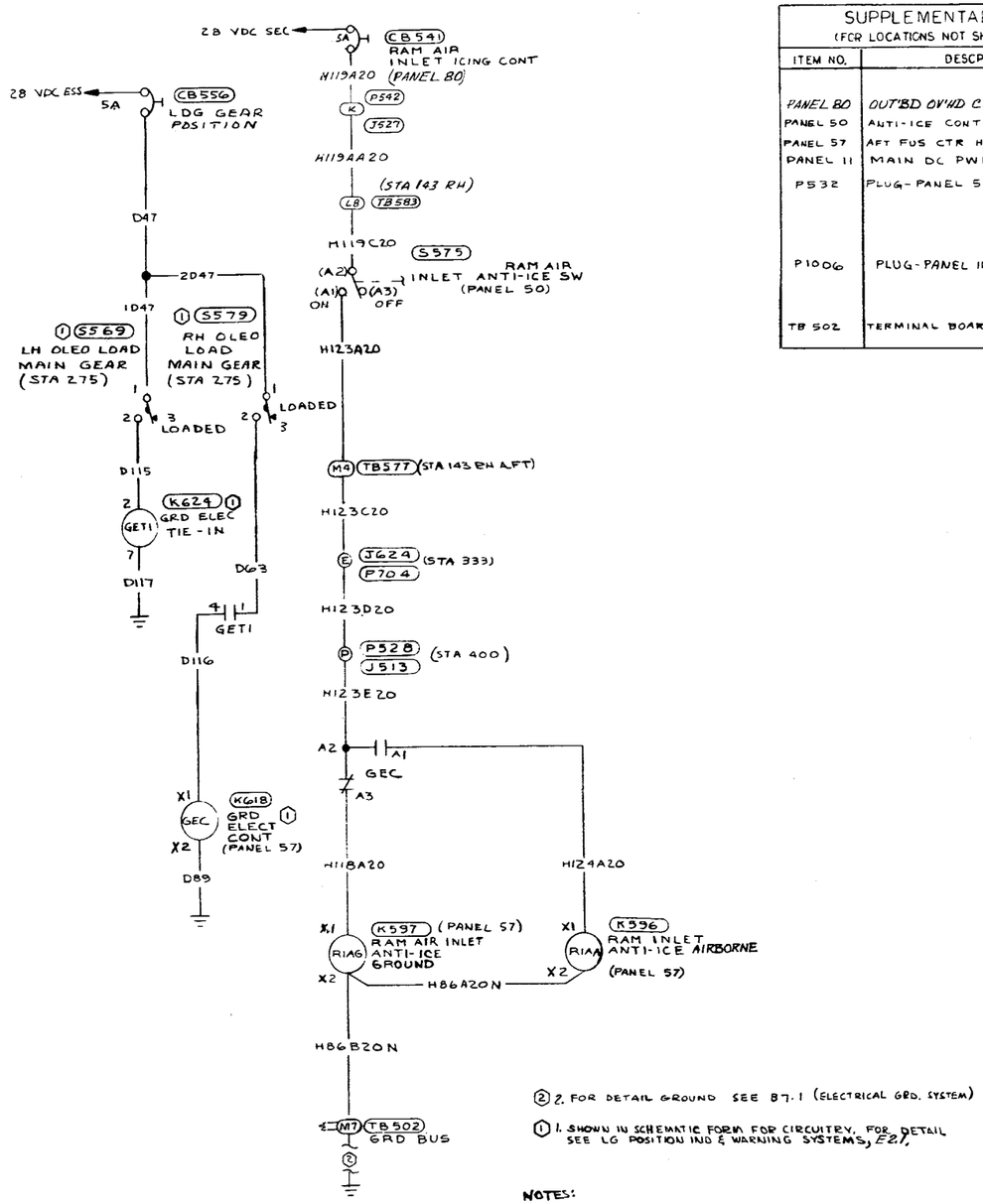
CHAPTER

30

ICE AND RAIN PROTECTION





SUPPLEMENTARY LOCATION LIST
(FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)

ITEM NO.	DESCRIPTION	LOCATION
PANEL 80	OUT'BD OV'HD C.B. P/YL	127 RH
PANEL 50	ANTI-ICE CONTROL OVHD SW PNL	122 CL
PANEL 57	AFT FUS CTR H & V RELAY BOX	401 RH
PANEL 11	MAIN DC PWR DIST & C/B BOX	333 CL
P532	PLUG-PANEL 57 DISC (J517)	400
P1006	PLUG-PANEL 11 DISC (J1006)	333 LH
TB 502	TERMINAL BOARD	PANEL 57

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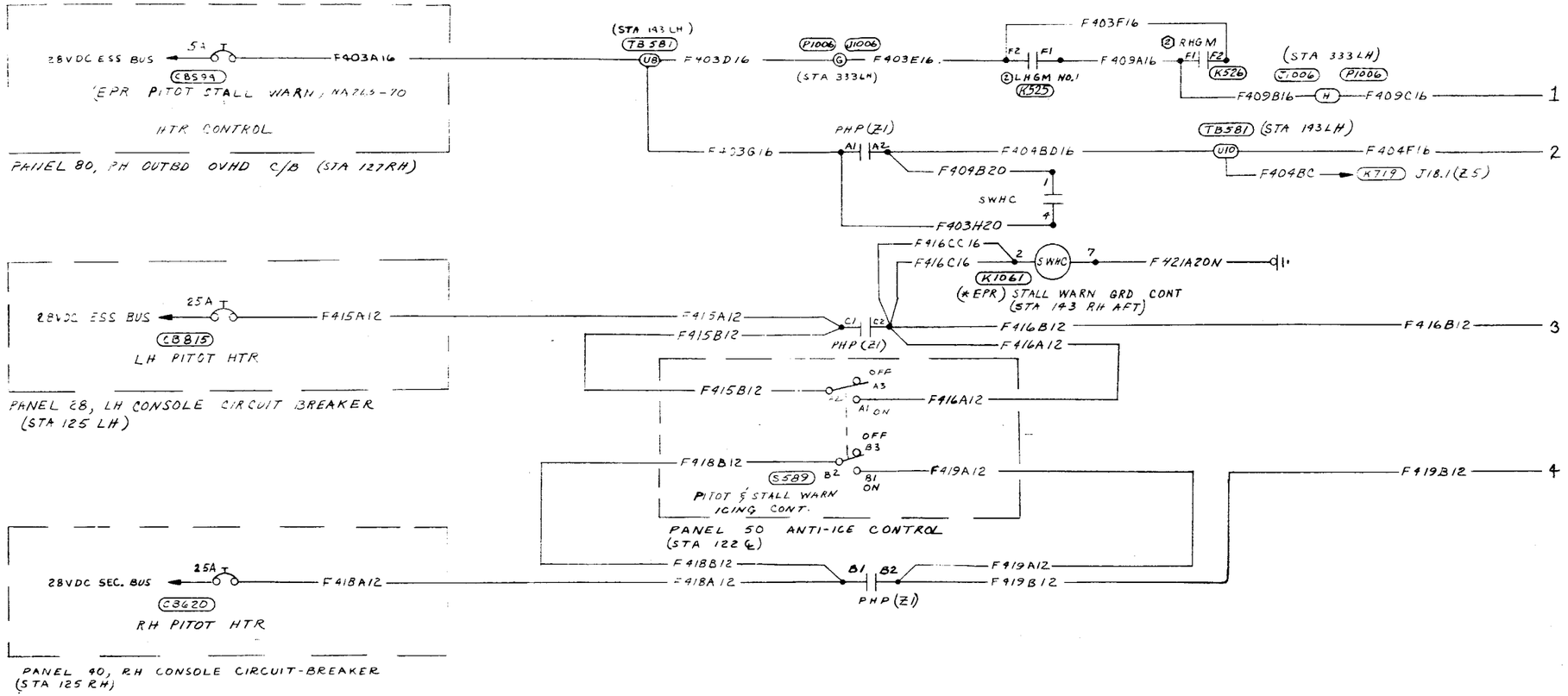

NOTES/LEGEND

1. SEE APPLICABLE EFFECTIVITY OF SYSTEMS LISTED BELOW
   - B1 DC GENERATOR SYSTEM
   - E2.1 LANDING GEAR POSITION INDICATING AND WARNING SYSTEM
   - J18.1 ENGINE PRESSURE RATIO SYSTEM (NA 265-70 ONLY)
   - (3) L7.1 STALL WARNING SYSTEM
2. (1) SHOWN IN SCHEMATIC FORM FOR CIRCUITRY ONLY FOR DETAIL SEE E2.1
3. (2) FOR OPERATION OF RELAY SEE B1 (Z3)
4. * DENOTES NA 265-70 ONLY

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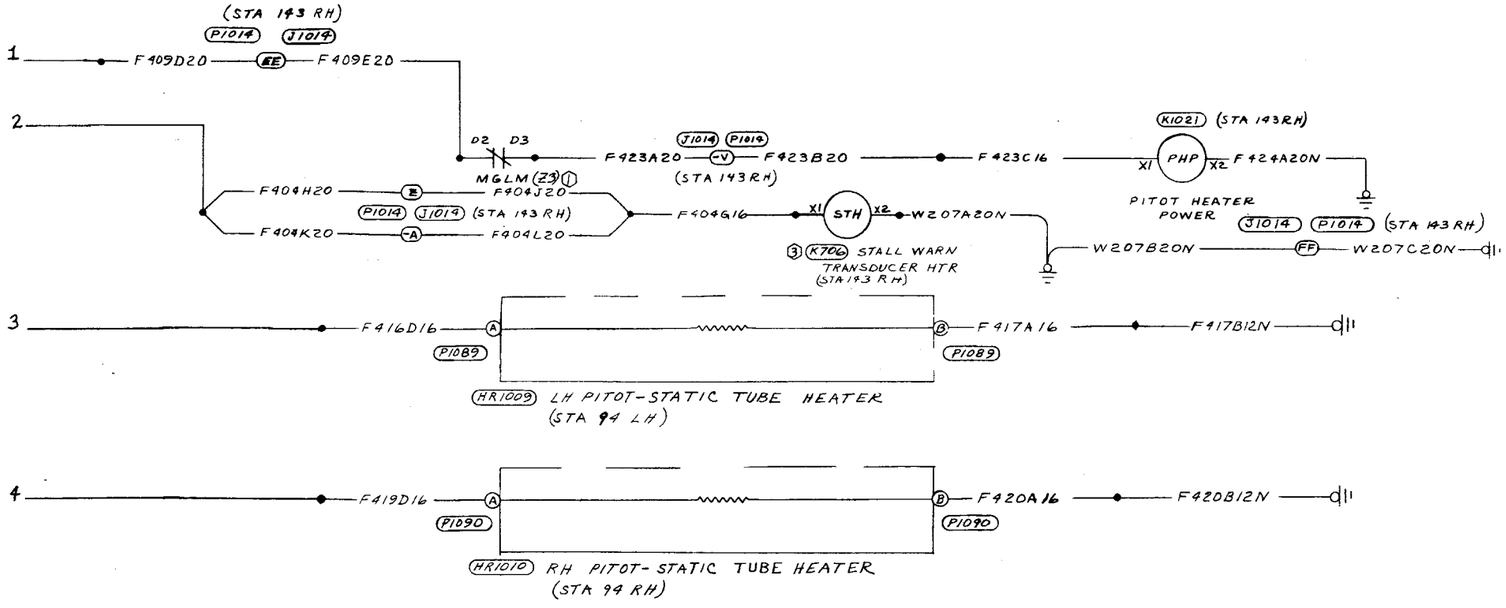

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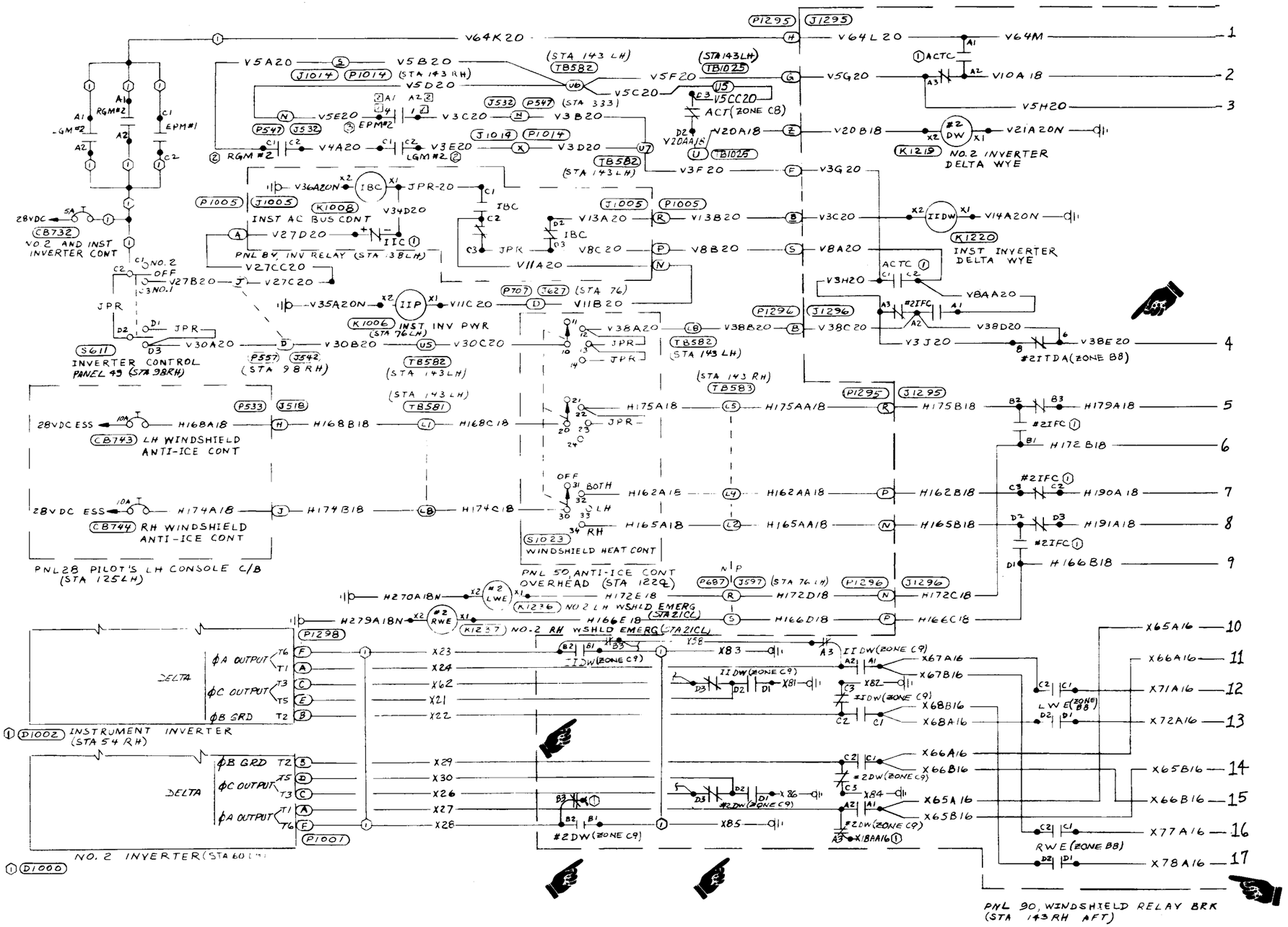

NOTES/LEGEND

1. SHOWN IN SCHEMATIC FORM. FOR DETAIL WIRING SEE B8.1 AC INVERTER SYSTEM
2. FOR OPERATION OF RELAY SEE B1.1 DC GENERATOR SYSTEM
3. FOR OPERATION OF RELAY SEE B2.1 DC BUS TIE-IN SYSTEM

EFFECTIVITY

1. S/N 370-2 THRU -6, -8, & 9
2. S/N 370-1 & 7
3. S/N 370-1 & SUBS CHANGED BY S/L 82-17.

WINDSHIELD ANTI-ICE POWER SYSTEM
NA 265-70, S/N 370-1 thru 9
(Sheet 1 of 3)

30-40-1
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Jul 28/89

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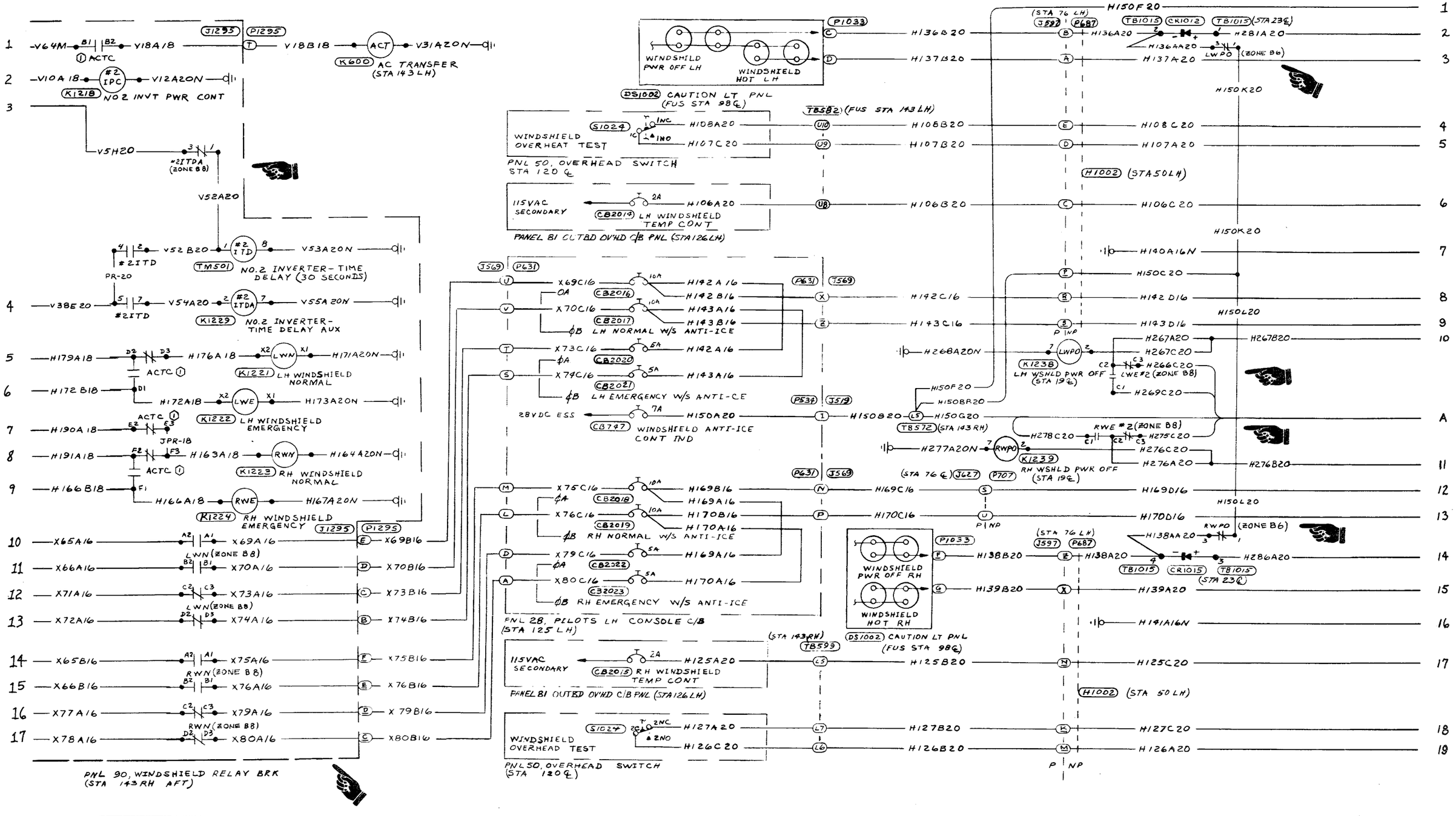
V64M
ACTC
V18A18
J1295
P1295
V18B18
ACT
K600
AC TRANSFER (STA 143 LH)
V31A20N
V10A18
#2 IPC
K1218
NO.2 INVT PWR CONT
V12A20N
V5H20
#2ITDA (ZONE B8)
V52A20
V52B20
#2 ITD
TM501
NO.2 INVERTER-TIME DELAY (30 SECONDS)
V53A20N
#2ITD
PR-20
V38E20
V54A20
K1229
NO.2 INVERTER-TIME DELAY AUX
V55A20N
H179A18
ACTC
H176A18
LWN
K1221
LH WINDSHIELD NORMAL
H171A20N
H172B18
H172A18
LWE
K1222
LH WINDSHIELD EMERGENCY
H173A20N
H190A18
JPR-18
H191A18
H163A18
RWN
K1223
RH WINDSHIELD NORMAL
H164A20N
H166B18
H166A18
RWE
K1224
RH WINDSHIELD EMERGENCY
H167A20N
X65A16
X69A16
X69B16
LWN (ZONE B8)
X66A16
X70A16
X70B16
X71A16
X73A16
X73B16
X72A16
X74A16
X74B16
X65B16
X75A16
X75B16
RWN (ZONE B8)
X66B16
X76A16
X76B16
X77A16
X79A16
X79B16
X78A16
X80A16
X80B16
PNL 90, WINDSHIELD RELAY BRK (STA 143 RH AFT)
P1033
WINDSHILD PWR OFF LH
WINDSHIELD HOT LH
H136B20
H137B20
DS1002 CAUTION LT PNL (FUS STA 98℄)
TB582 (FUS STA 143 LH)
S1024
WINDSHIELD OVERHEAT TEST
H108A20
H107C20
H108B20
H107B20
PNL 50, OVERHEAD SWITCH STA 120℄
115VAC SECONDARY
CB2014
LH WINDSHIELD TEMP CONT
H106A20
H106B20
PANEL B1 OUTBD OVHD C/B PNL (STA 126 LH)
J569
P631
X69C16
CB2016
H142A16
H142B16
X70C16
CB2017
H143A16
H143B16
ϕB LH NORMAL W/S ANTI-ICE
X73C16
CB2020
ϕA
X79C16
CB2021
H143A16
ϕB LH EMERGENCY W/S ANTI-CE
P537
J519
28VDC ESS
CB797
WINDSHIELD ANTI-ICE CONT IND
H150A20
H150B20
X75C16
CB2018
H169B16
H169A16
X76C16
CB2019
H170B16
H170A16
ϕB RH NORMAL W/S ANTI-ICE
X79C16
CB2022
X80C16
CB2023
ϕB RH EMERGENCY W/S ANTI-ICE
PNL 28, PILOTS LH CONSOLE C/B (STA 125 LH)
115VAC SECONDARY
CB2015
RH WINDSHIELD TEMP CONT
H125A20
PANEL B1 OUTBD OVHD C/B PNL (STA 126 LH)
S1024
WINDSHIELD OVERHEAT TEST
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H126C20
PNL 50, OVERHEAD SWITCH (STA 120℄)
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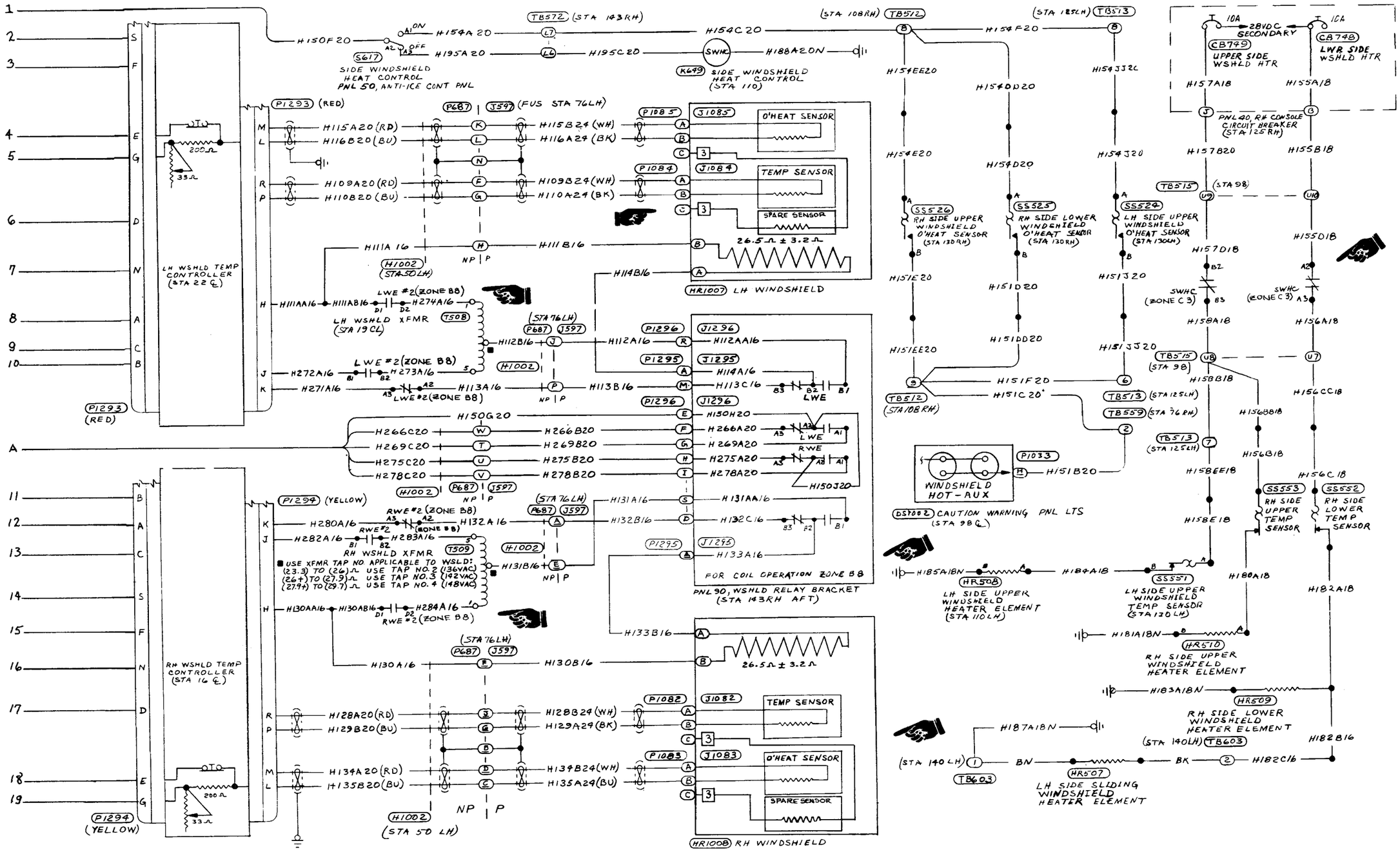

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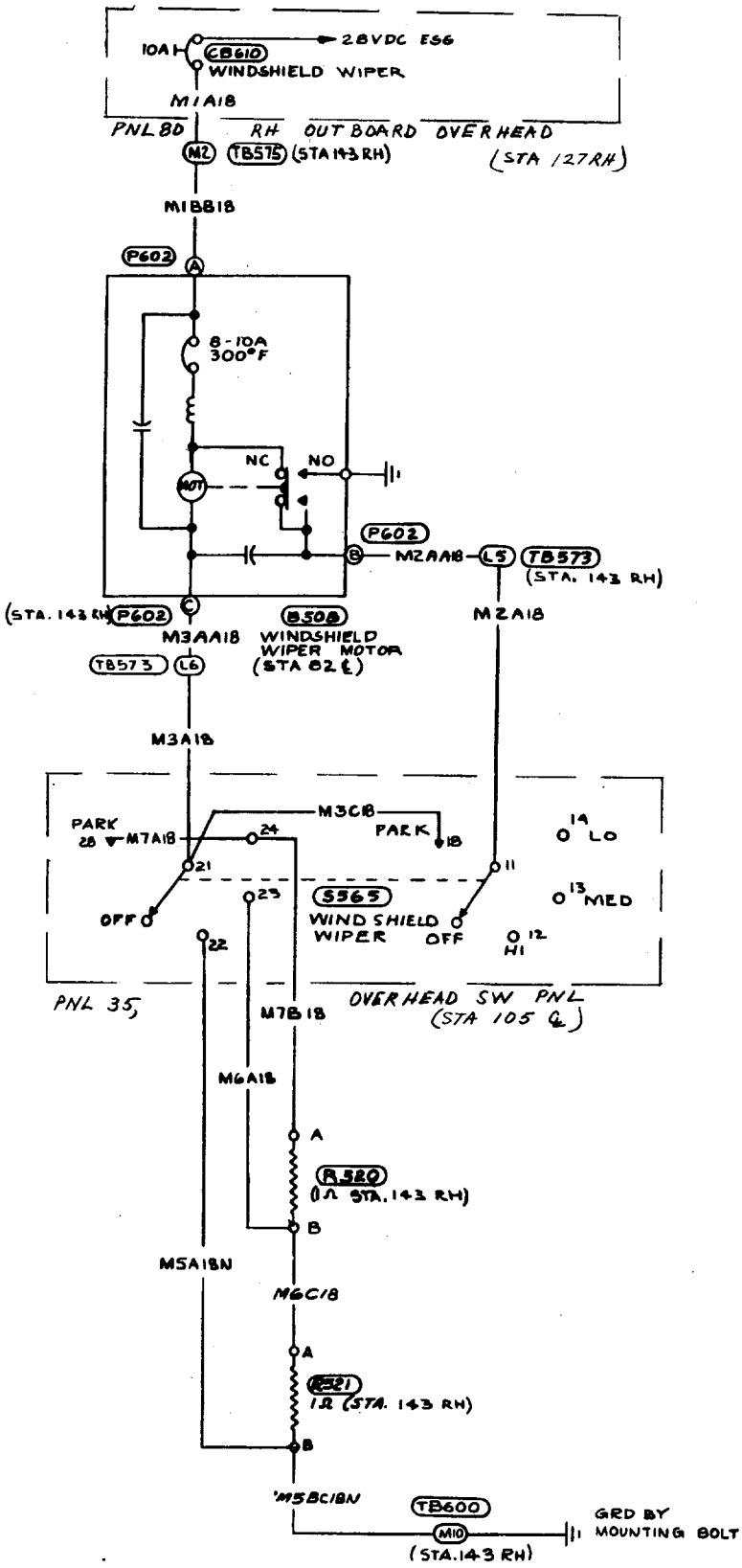

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CHAPTER

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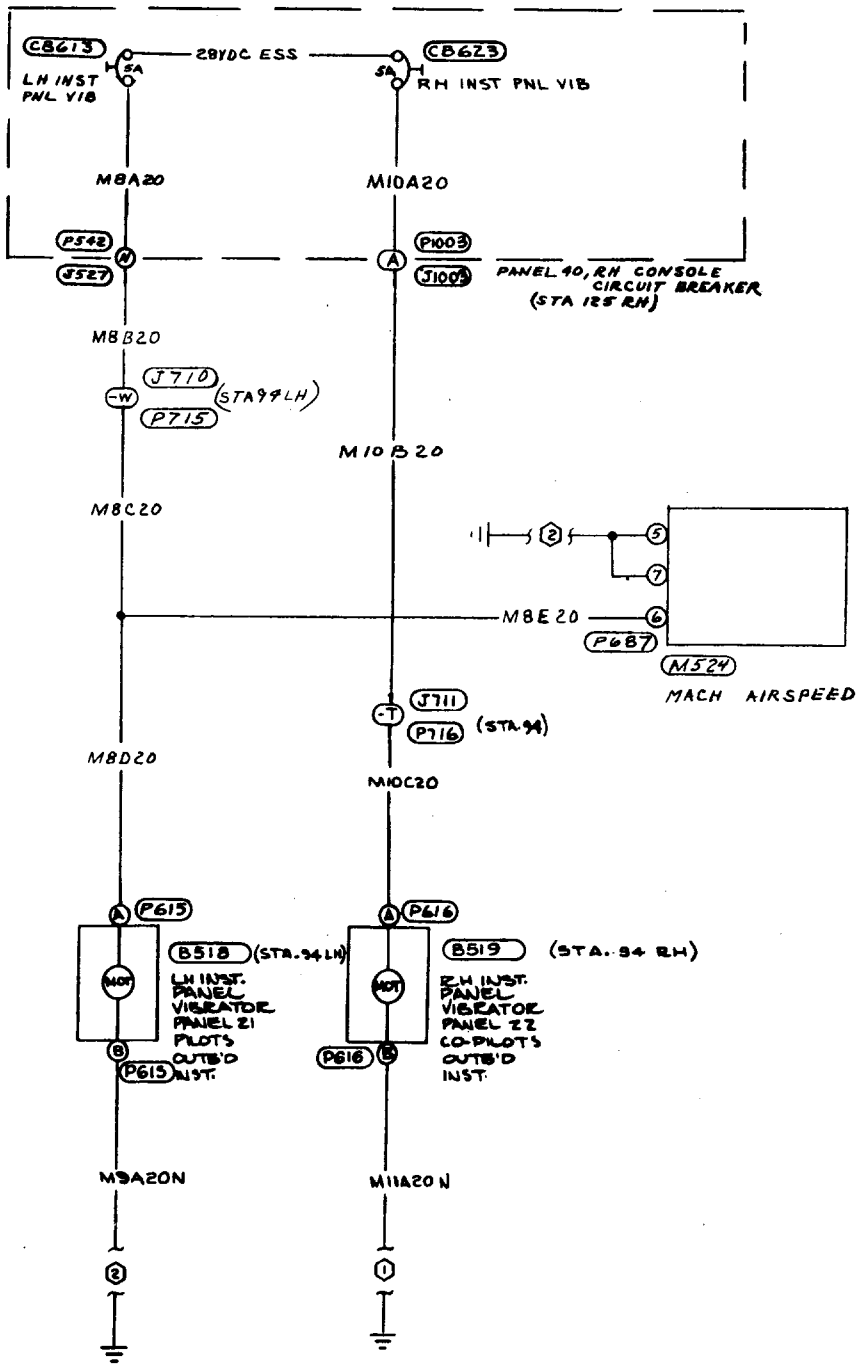
INDICATING/ RECORDING SYSTEMS



NOTES:
1. SEE APPLICABLE EFFECTIVITY OF SYSTEMS LISTED ABOVE
2. FOR DETAIL GROUND SEE D17.1, ENGINE, RADIO & INSTRUMENT INDIRECT LIGHTS SYSTEM
3. FOR DETAIL GROUND SEE D18.1, STANDBY COMPASS, PEDESTAL & OVHD INDIRECT LIGHTS SYSTEM

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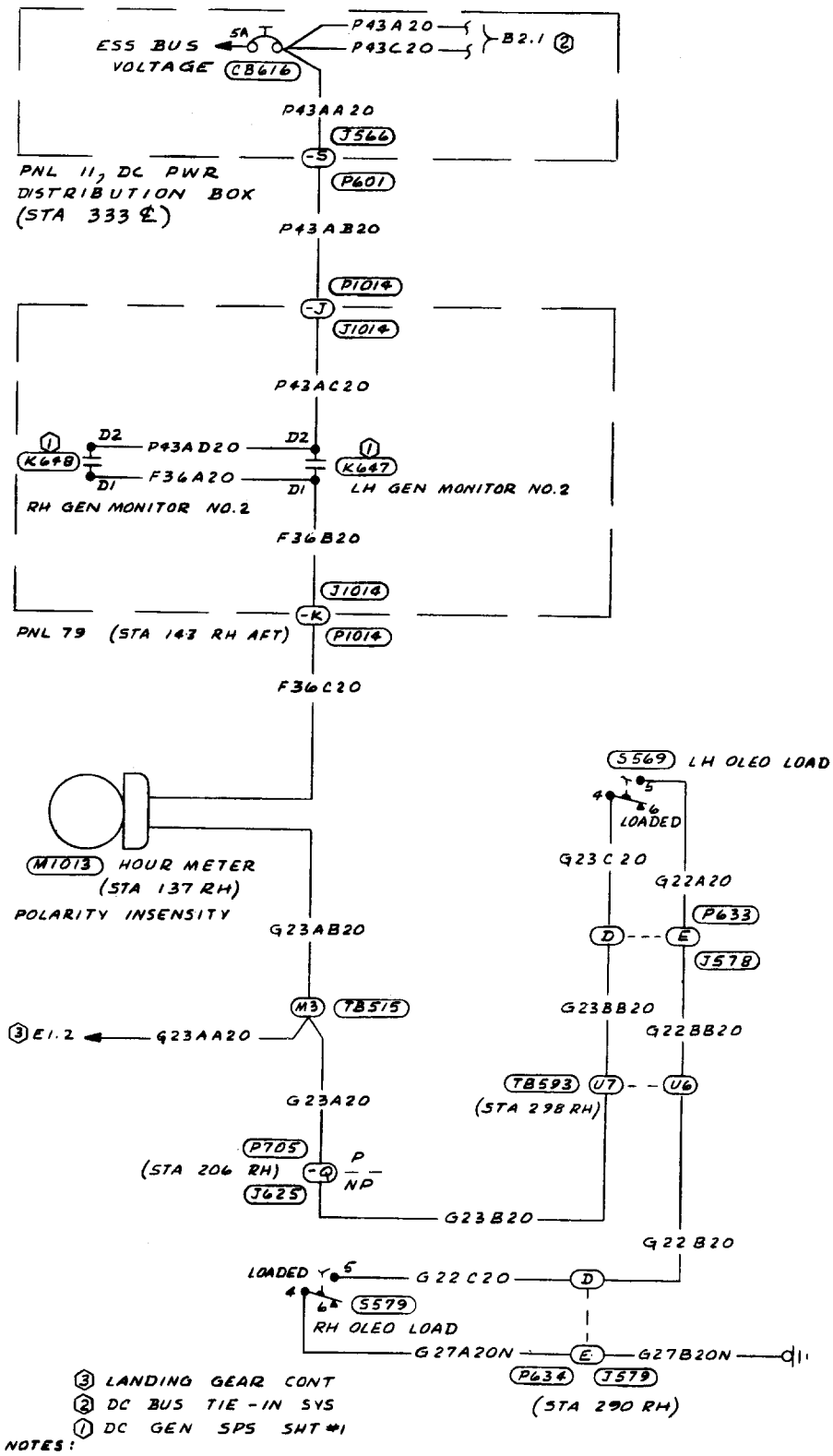

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NA265-70, 370-1 thru 9

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CHAPTER

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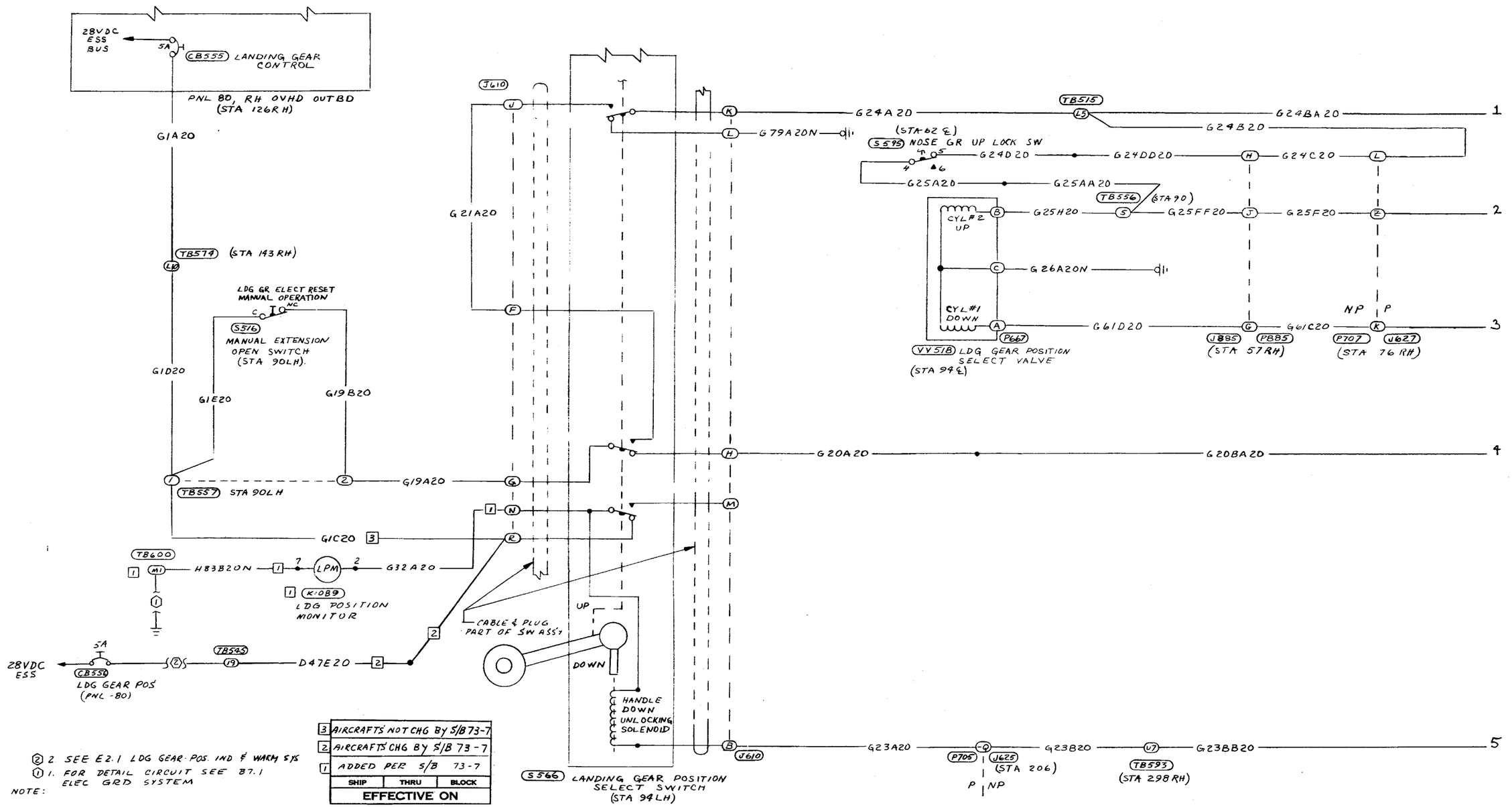
LANDING GEAR



3	AIRCRAFTS NOT CHG BY S/B 73-7		
2	AIRCRAFTS CHG BY S/B 73-7		
1	ADDED PER S/B 73-7		
SHIP	THRU	BLOCK	
EFFECTIVE ON			

NOTE:
(2) 2. SEE E2.1 LDG GEAR POS IND & WARN SYS
(1) 1. FOR DETAIL CIRCUIT SEE B7.1 ELEC GRD SYSTEM

LANDING GEAR CONTROL SYSTEM
NA265-70, 370-2 thru 6 and 8
(Sheet 1 of 2)

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LANDING GEAR CONTROL SYSTEM
NA265-70, 370-2 thru 6 and 8
(Sheet 2 of 2)

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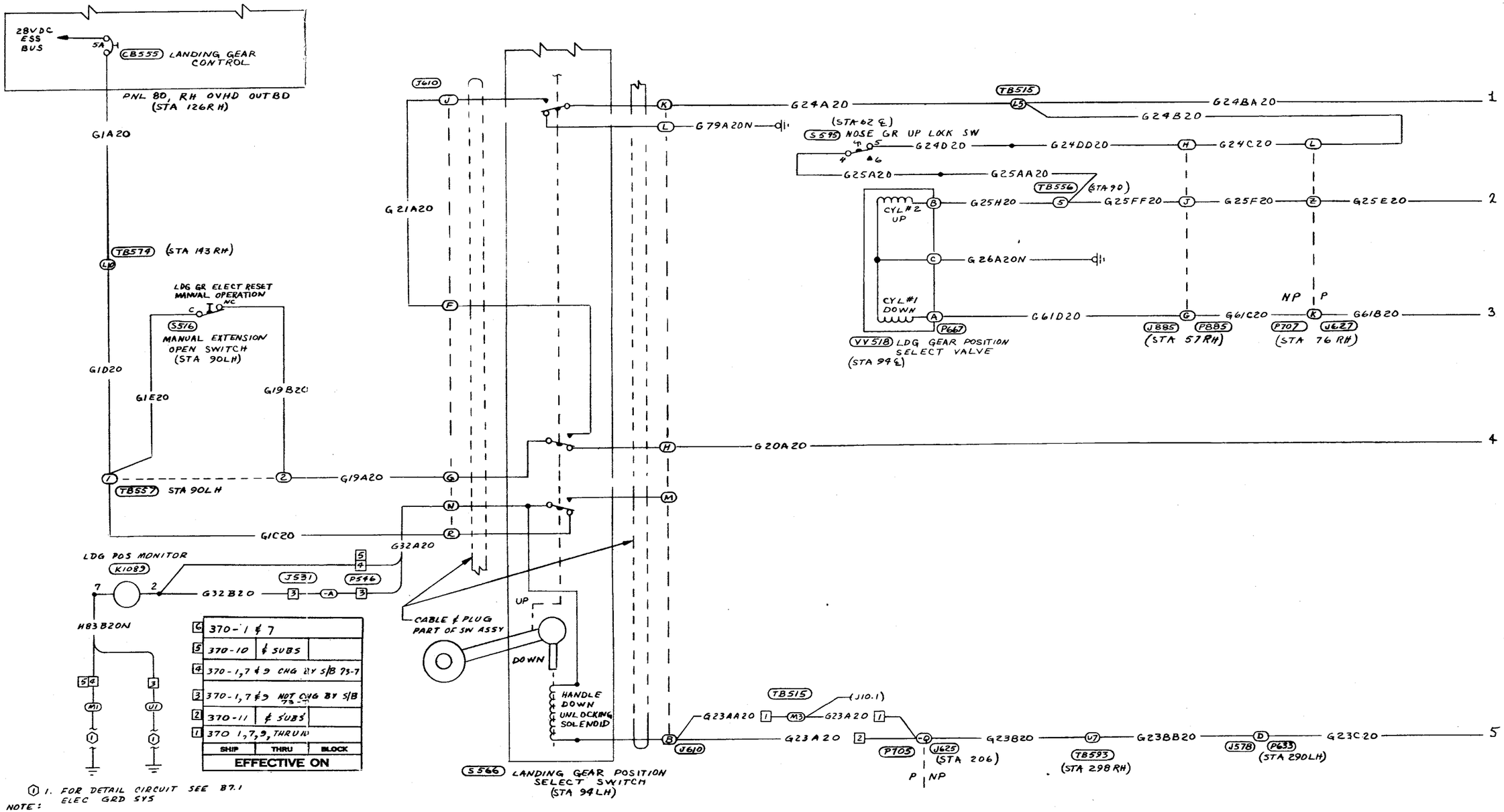

LANDING GEAR CONTROL SYSTEM
NA265-70, 370-1, 7, 9 and Subs
(Sheet 1 of 2)

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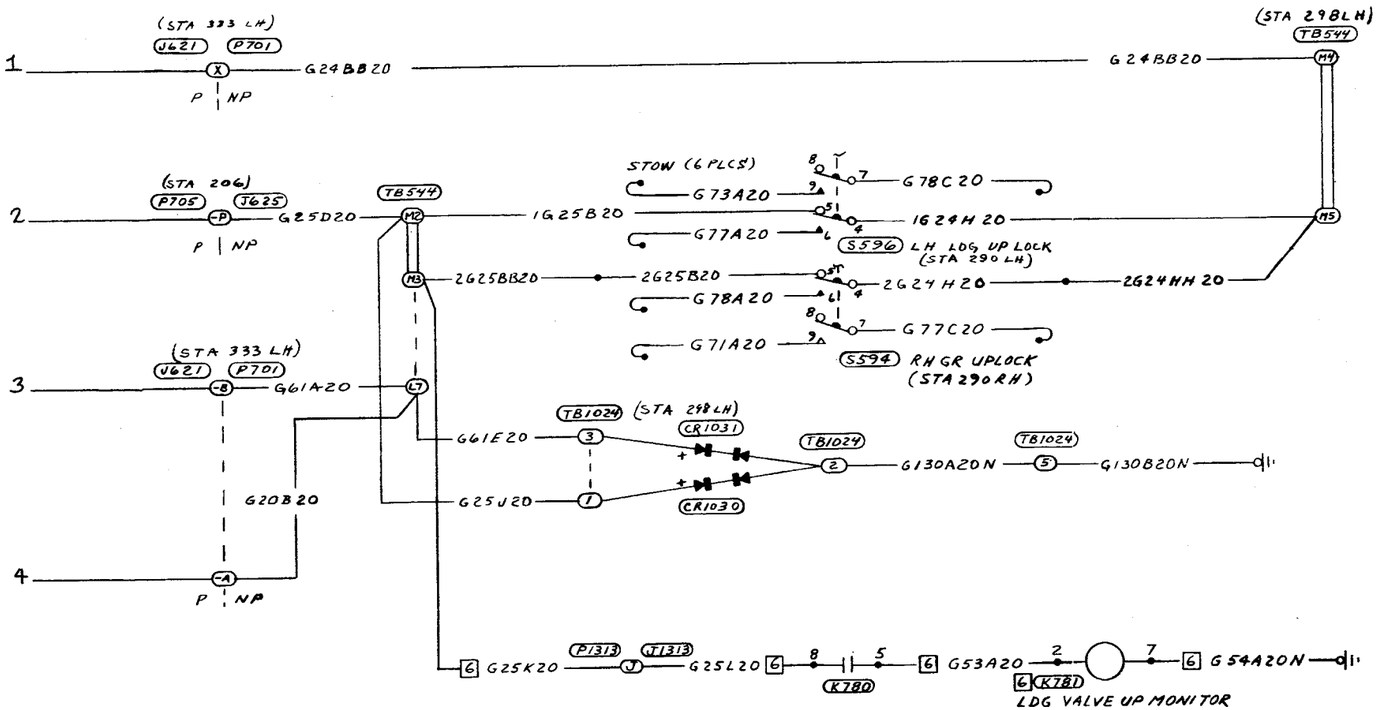

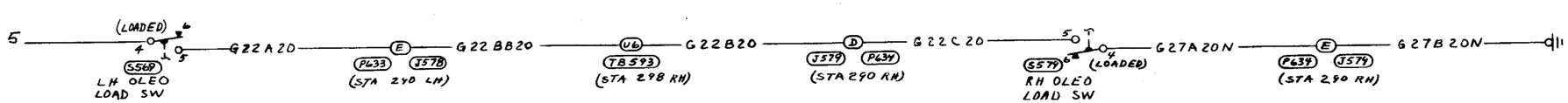

LANDING GEAR CONTROL SYSTEM
NA265-70, 370-1, 7, 9 and Subs
(Sheet 2 of 2)

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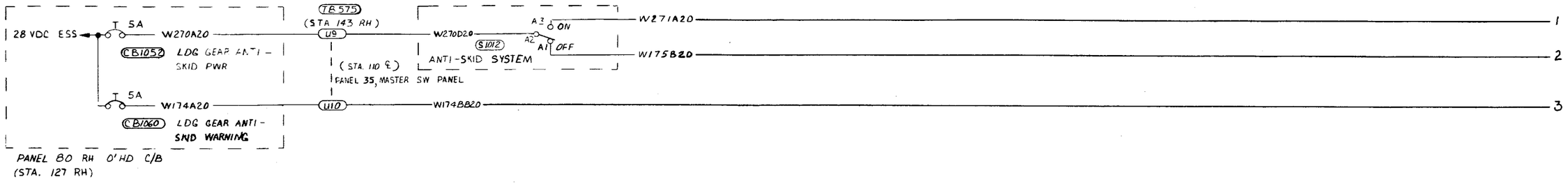

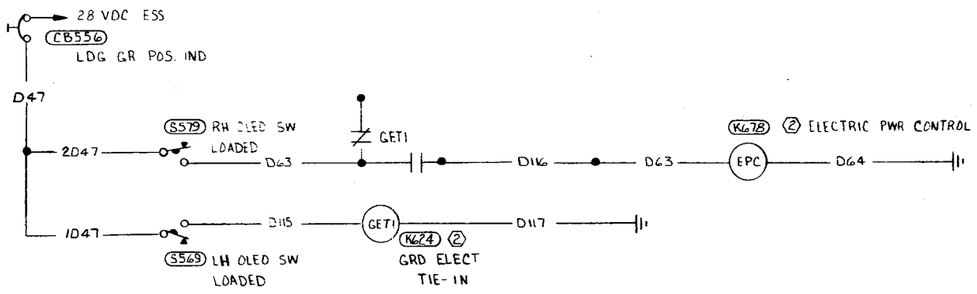

2 2. SHOWN IN SCHEMATIC FOR CIRCUITRY ONLY FOR DETAIL SYSTEM SEE E2.

1 1 FOR DETAIL GROUND CIRCUIT SEE B7.

NOTES:

MAIN LANDING GEAR ANTI-SKID SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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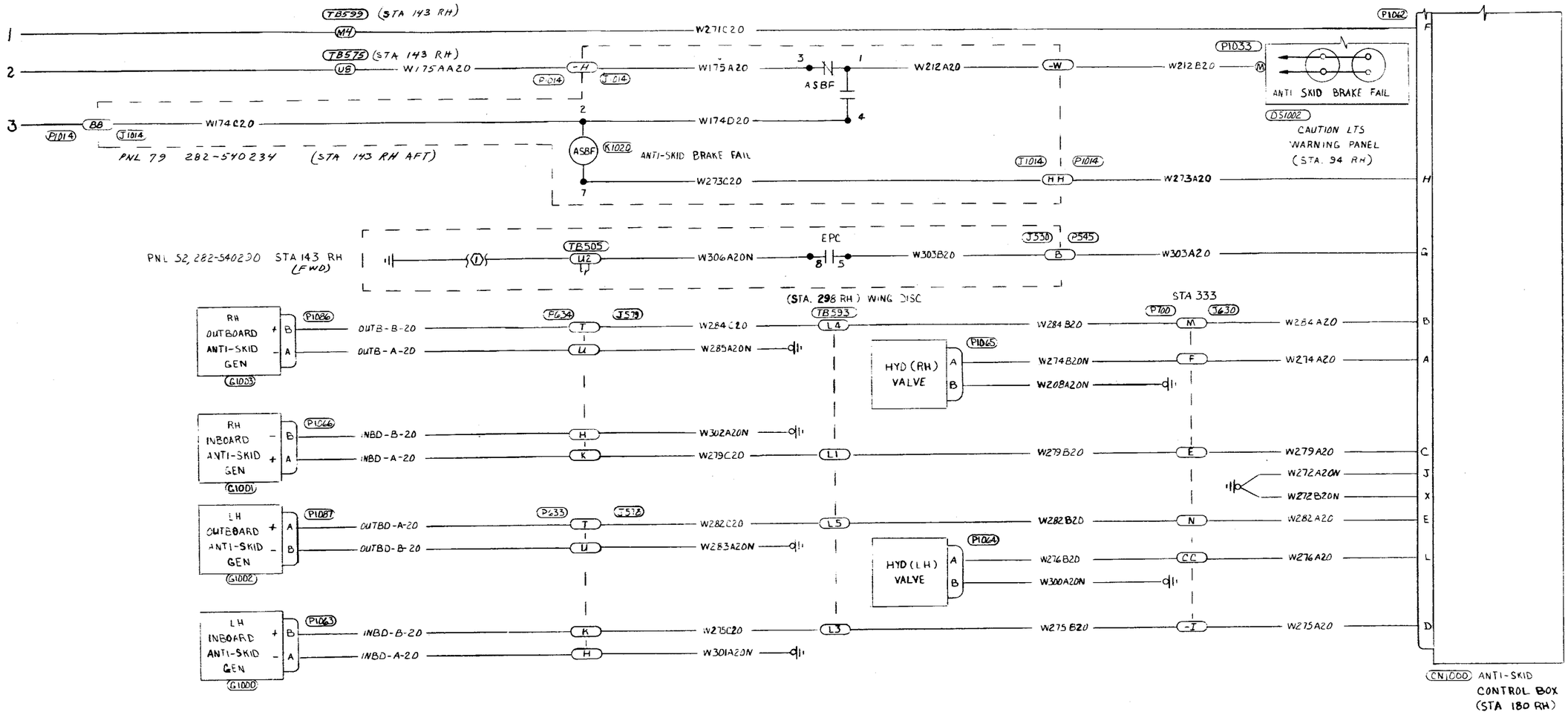

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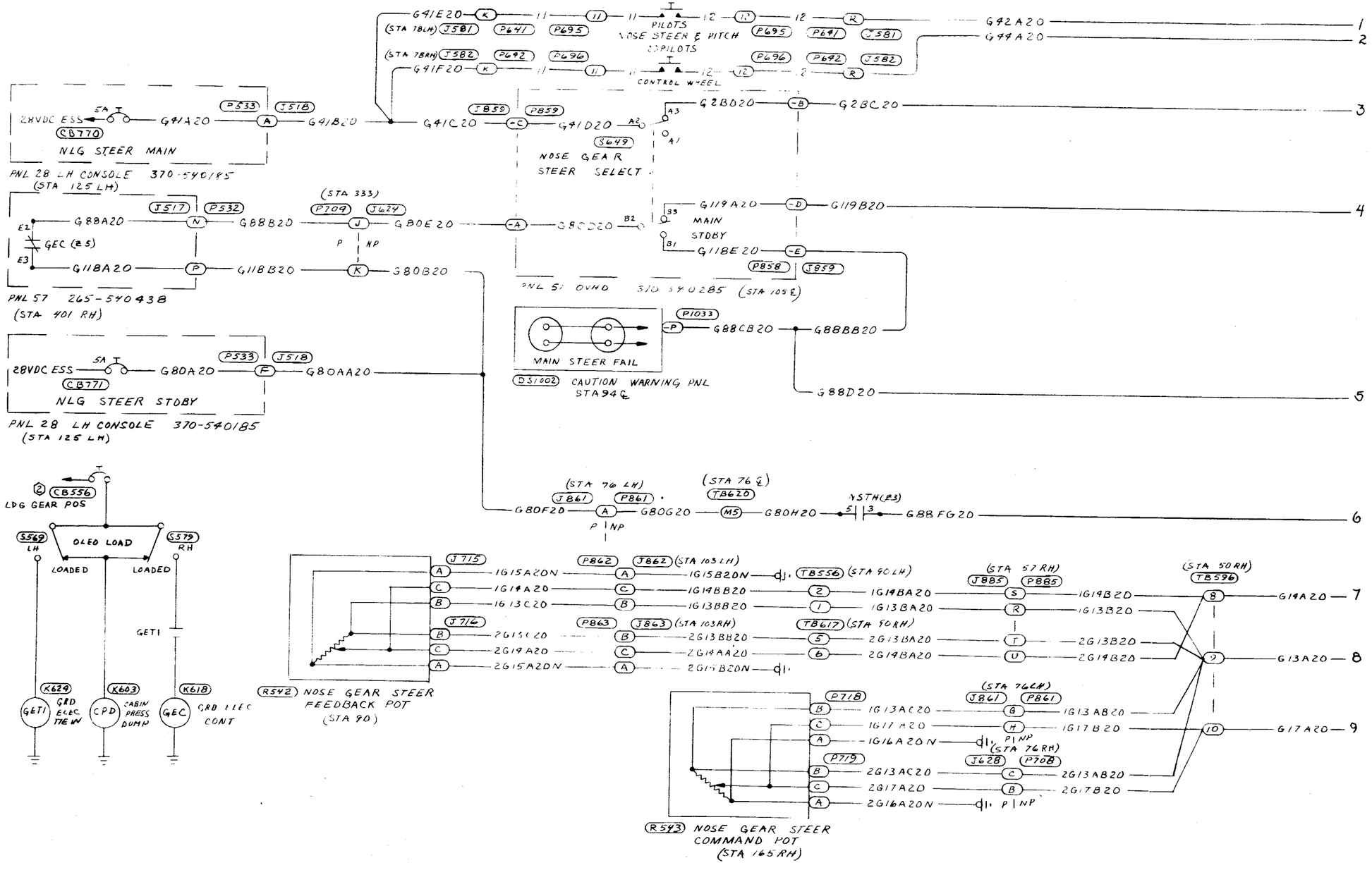
G41E20 (K) (STA 78LH) J581 P641 P695
G41F20 (K) (STA 78RH) J582 P692 P696
PILOTS NOSE STEER & PITCH CONTROL WHEEL
CO-PILOTS
P695 P641 J581
P696 P692 J582
G42A20
G44A20
28VDC ESS 5A CB770
NLG STEER MAIN
PNL 28 LH CONSOLE 370-540185 (STA 125 LH)
G41A20 (P533) (J518) (A) G41B20
G41C20 (J859) (P859) (-C) G41D20 (A2) (S649)
NOSE GEAR STEER SELECT
A3 A1
G42B20 (-B) G42C20
G88A20 (J517) (P532) (N) G88B20
E2 GEC (ES) E3
G118A20 (P) G118B20
PNL 57 265-540438 (STA 401 RH)
(STA 333) (P709) (J624)
G80E20 (-A) G80D20 (B2)
P NP
G119A20 (-D) G119B20
B3 MAIN STDBY B1
G118E20 (-E)
PNL 51 OVHD 370-540285 (STA 105 E)
(P858) (J859)
P1033 (-P) G88CB20 G88BB20
MAIN STEER FAIL DS1002 CAUTION WARNING PNL STA 94 E
G88D20
28VDC ESS 5A CB771
NLG STEER STDBY
PNL 28 LH CONSOLE 370-540185 (STA 125 LH)
G80A20 (P533) (J518) (F) G80AA20
G80F20 (J867) (P861) (A) G80G20 (M5) G80H20
(STA 76 LH) (STA 76 E) TB620
NSTH(F3)
G88FG20
P NP
LDG GEAR POS (2) CB556
S569 LH S579 RH
OLEO LOAD
LOADED LOADED
GETI
K629 GETI GRD ELEC TIE IN
K603 CPD CABIN PRESS DUMP
K618 GEC GRD ELEC CONT
J715 P862 J862 (STA 103 LH) TB556 (STA 90 LH)
G15A20N G15B20N
G14A20 G14BB20 G19BA20
G13C20 G13BB20 G13BA20
J716 P863 J863 (STA 103 RH) TB617 (STA 90 RH)
2G13C20 2G13BB20 2G13BA20
2G19A20 2G19AA20 2G19BA20
2G15A20N 2G15B20N
R542 NOSE GEAR STEER FEEDBACK POT (STA 90)
(STA 57 RH) J885 P885
G19BB20 G13BB20 2G13BB20 2G19BB20
(STA 50 RH) TB596
G19A20 G13A20 G17A20
P718 P719 (STA 76 LH) J867 P861 (STA 76 RH) J628 P708
G13AC20 G17A20 G16A20N 2G13AC20 2G17A20 2G16A20N
G13AB20 G17B20 2G13AB20 2G17B20
R543 NOSE GEAR STEER COMMAND POT (STA 165 RH)
1 2 3 4 5 6 7 8 9

NOTES/LEGEND

(1) 1. FOR ACTUATION AND TEST POWER SEE D2.1 CAUTION WARNING AND INDICATOR LIGHTS DIM AND TEST

(2) 2. SHOWN IN SCHEMATIC FORM. FOR CIRCUITRY SEE E2.1 LANDING GEAR POSITION INDICATING AND WARNING SYSTEM

(3) 3. UNIDENTIFIED JUMPER

(4) 4. SWITCH MECHANICALLY OPERATED BY NOSE GEAR ROTATION

(5) 5. SWITCH MECHANICALLY OPERATED BY RUDDER PEDALS

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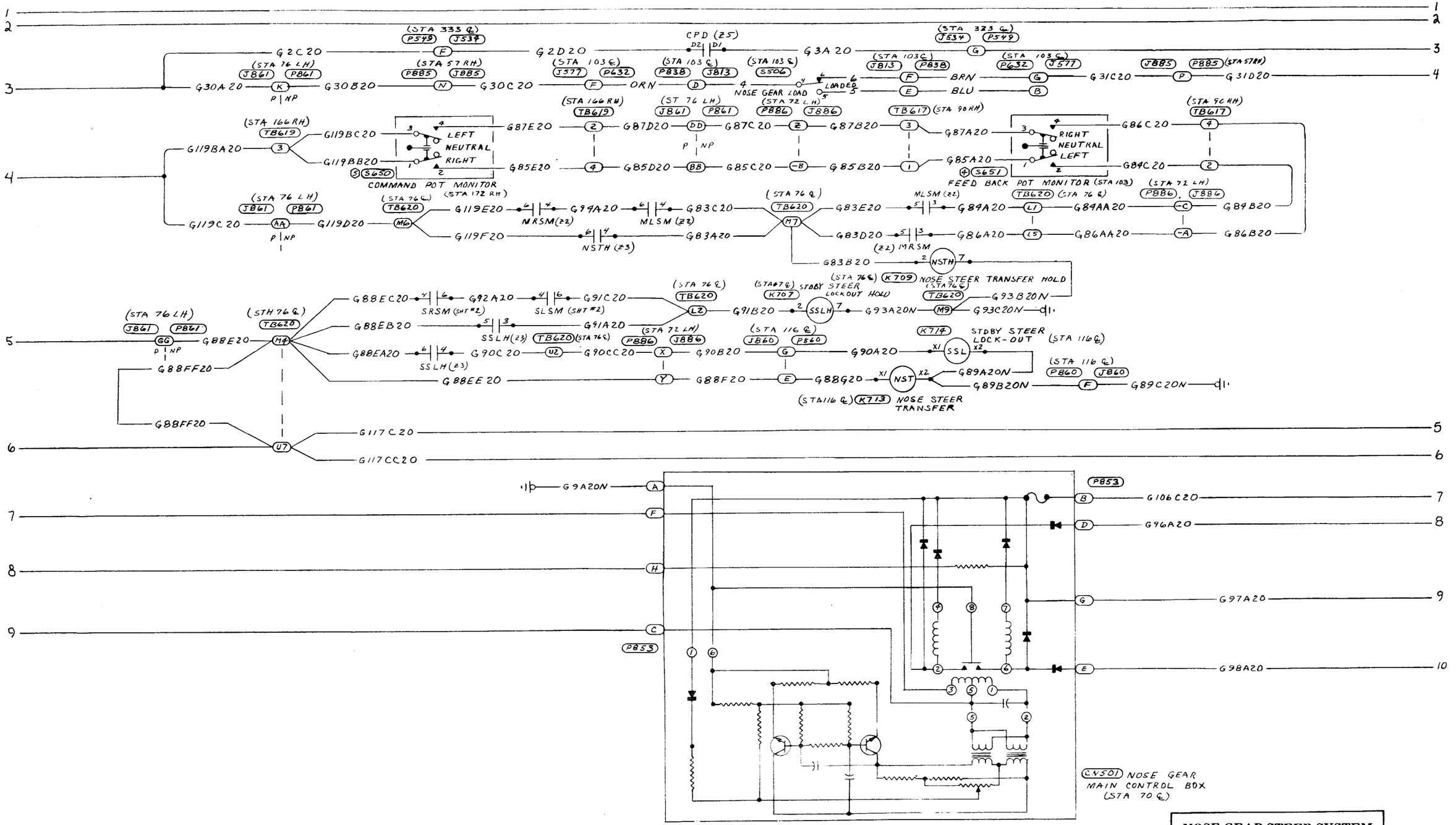
G2C20
(STA 333 ℄) P549 J539
G2D20
CPD (Z5) D2 D1
G3A20
(STA 323 ℄) J534 P549
(STA 76 LH) J861 P861
(STA 57 RH) P885 J885
(STA 103 ℄) J577 P632
(STA 103 ℄) P838 J813
(STA 103 ℄) S506
(STA 103 ℄) J813 P838
(STA 103 ℄) P632 J577
J885 P885 (STA 57RH)
G30A20 K P NP G30B20 N G30C20 F ORN D 4
LOADED NOSE GEAR LOAD
6 F BRN G G31C20 P G31D20
5 E BLU B
(STA 166 RH) TB619
(STA 72 LH) P886 J886
(STA 90 RH) TB617
(STA 96 RH) TB617
G119BA20 3 G119BC20 LEFT NEUTRAL RIGHT G119BB20 S650 COMMAND POT MONITOR
G87E20 2 G87D20 DD G87C20 Z G87B20 3 G87A20
G85E20 4 G85D20 BB G85C20 -B G85B20 1 G85A20 S651 FEED BACK POT MONITOR (STA 103)
RIGHT NEUTRAL LEFT
G86C20 4 G86B20
G84C20 2
(STA 76 LH) J861 P861
(STA 76 ℄) TB620
(STA 172 RH)
(STA 72 LH) P886 J886
G119C20 AA P NP G119D20 M6
G119E20 G99A20 NRSM (Z2) G83C20
G119F20 G83A20 NSTH (Z3)
(STA 76 ℄) TB620
G83E20 MLSM (Z2) G89A20 L1 G89AA20 -C G89B20
G83D20 (Z2) MRSM G86A20 15 G86AA20 -A G86B20
TB620 (STA 76 ℄)
G83B20 NSTH 2 7
(STA 76 ℄) K709 NOSE STEER TRANSFER HOLD
(STA 76 LH) J861 P861
(STH 76 ℄) TB620
G88EC20 G92A20 SRSM (SHT #2) G91C20
G88EB20 SSLH (Z3) G91A20
G88EA20 SSLH (Z3) G90C20 U2 G90CC20
G88EE20
G88E20 M4 G88FF20
(STA 76 ℄) TB620 L2
(STA 72 LH) P886 J886 X
(STA 116 ℄) J860 P860 G
(STA 76 ℄) K707 STDBY STEER LOCK-OUT HOLD
G91B20 SSLH 2 7 G93A20N
(STA 76 ℄) TB620 M9 G93C20N
G90B20 G90A20
G88F20 E
G88G20 NST X1 X2
K714 STDBY STEER LOCK-OUT (STA 116 ℄)
SSL X1 X2
G89A20N
G89B20N
(STA 116 ℄) P860 J860 F G89C20N
(STA 116 ℄) K713 NOSE STEER TRANSFER
G88FF20
U7
G117C20
G117CC20
G9A20N A
F
H
C
P853
P853 B G106C20
D G96A20
G G97A20
E G98A20
CN501 NOSE GEAR MAIN CONTROL BOX (STA 70 ℄)

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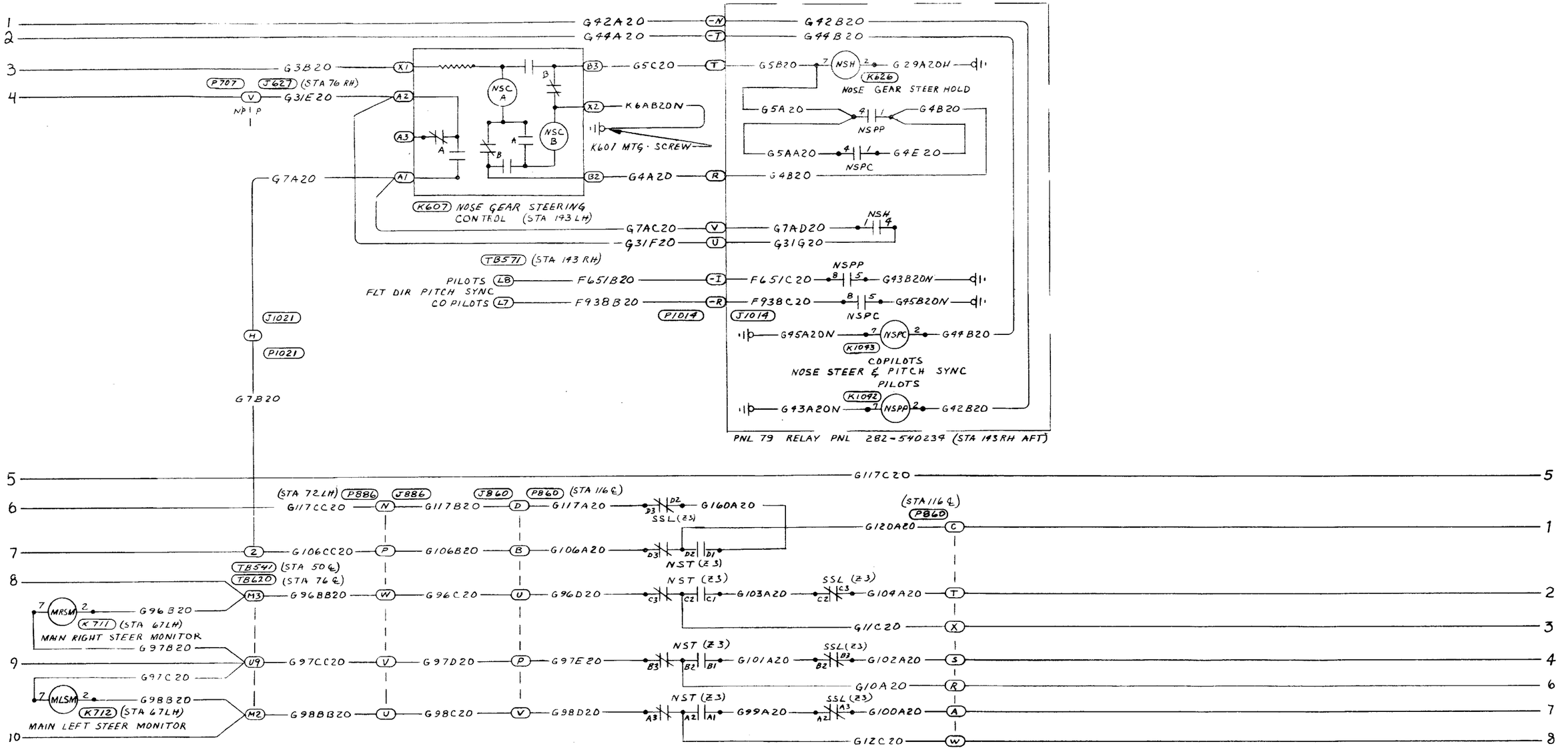

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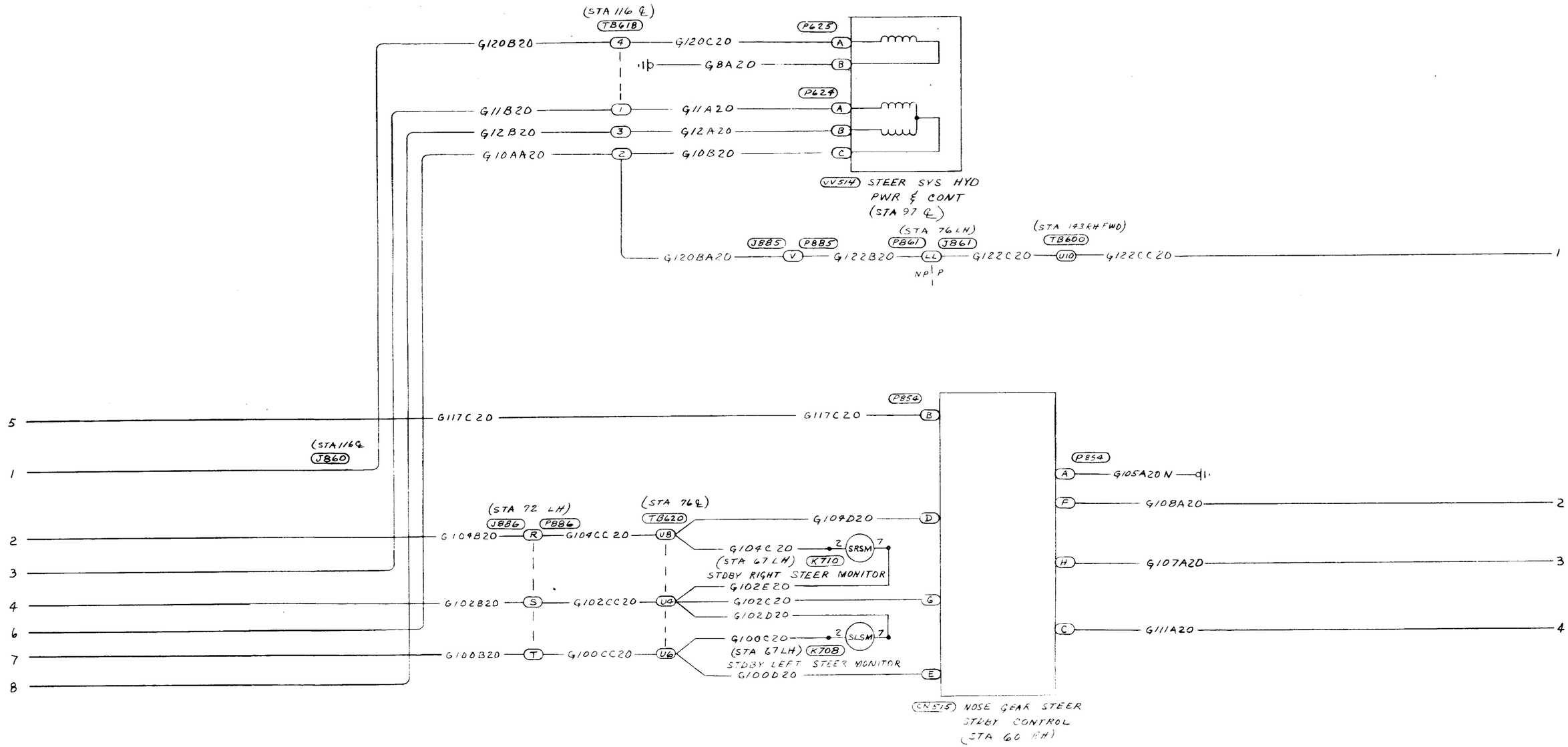

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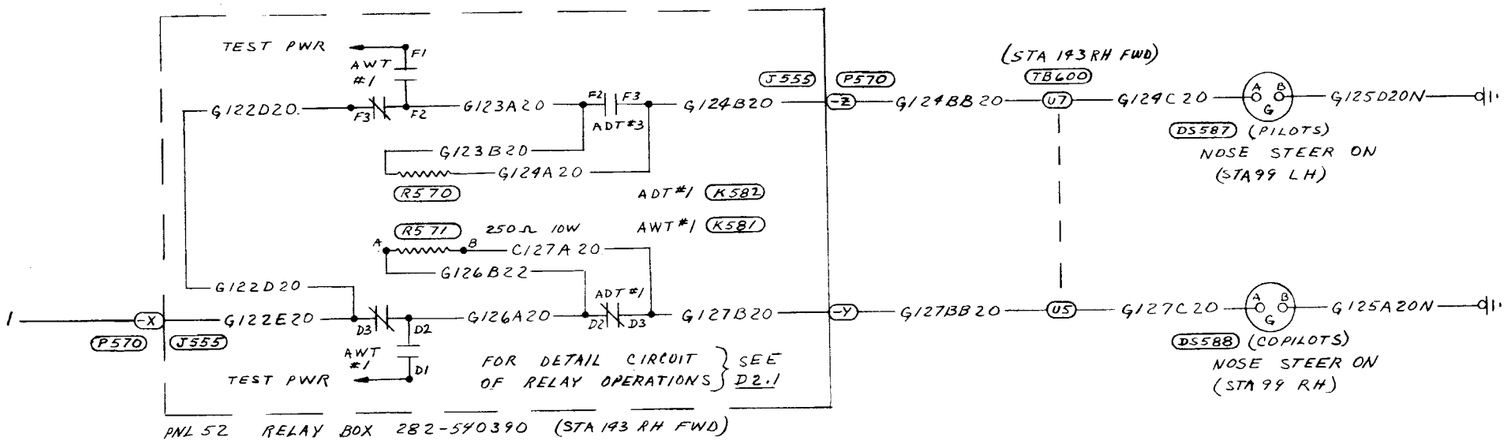

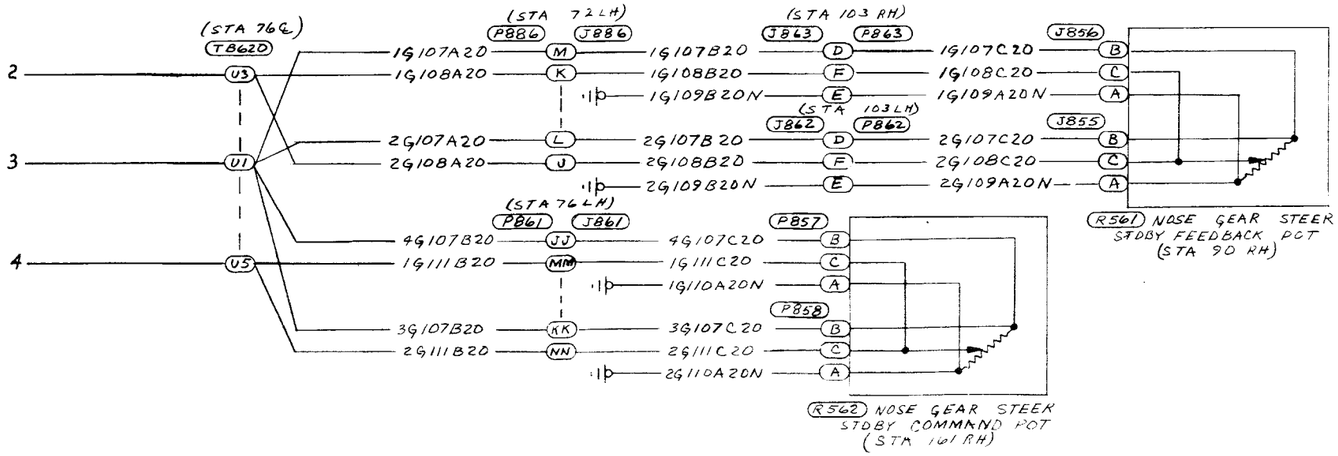

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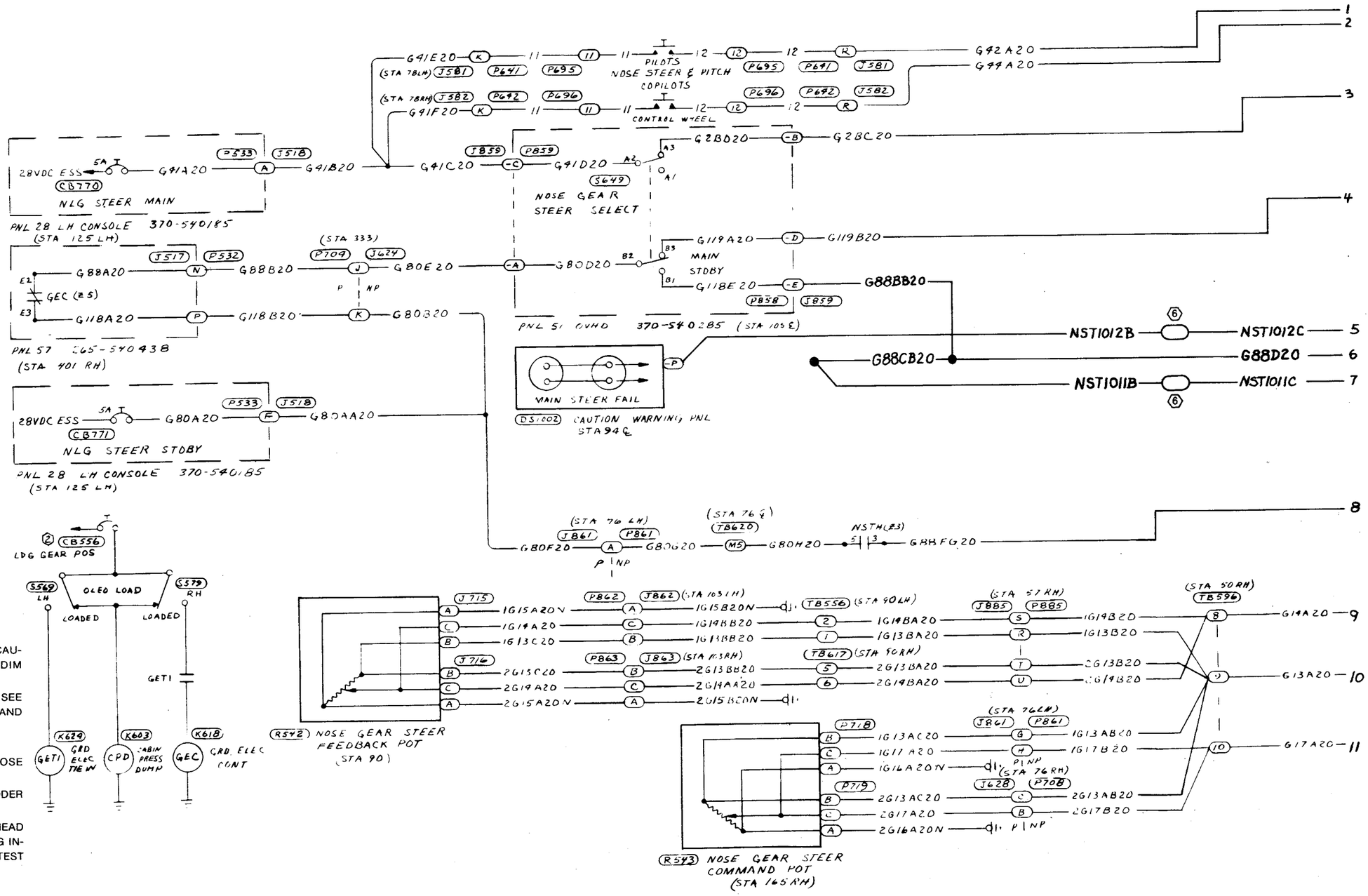

NOTES/LEGEND

1. FOR ACTUATION AND TEST POWER SEE D2.1 CAUTION WARNING AND INDICATOR LIGHTS DIM AND TEST
2. SHOWN IN SCHEMATIC FORM. FOR CIRCUITRY SEE E2.1 LANDING GEAR POSITION INDICATING AND WARNING SYSTEM
3. UNIDENTIFIED JUMPER
4. SWITCH MECHANICALLY OPERATED BY NOSE GEAR ROTATION
5. SWITCH MECHANICALLY OPERATED BY RUDDER PEDALS
6. REFER TO S/B 85-2 TO IDENTIFY FS 76 BULKHEAD FEED-THRU CONNECTOR PINS USED DURING INSTALLATION OF NOSE WHEEL STEERING TEST SYSTEM

NEW

NOSE GEAR STEER SYSTEM
S/N 370-1 & Subs Modified by S/B 85-2
(Sheet 1 of 5)

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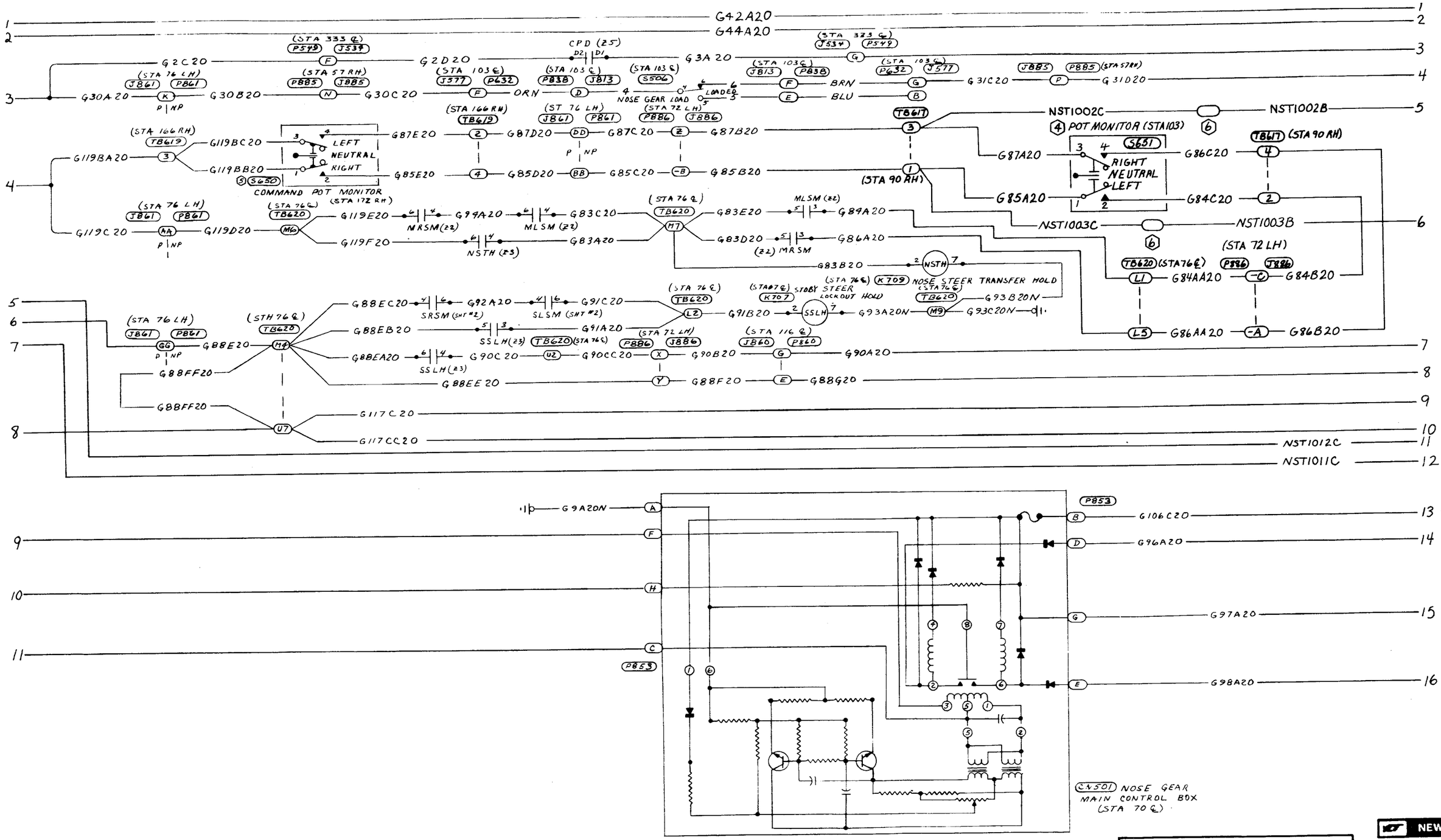

NEW

NOSE GEAR STEER SYSTEM
S/N 370-1 & Subs Modified by S-B 85-2
(Sheet 2 of 5)

32-50-1
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May 23/86

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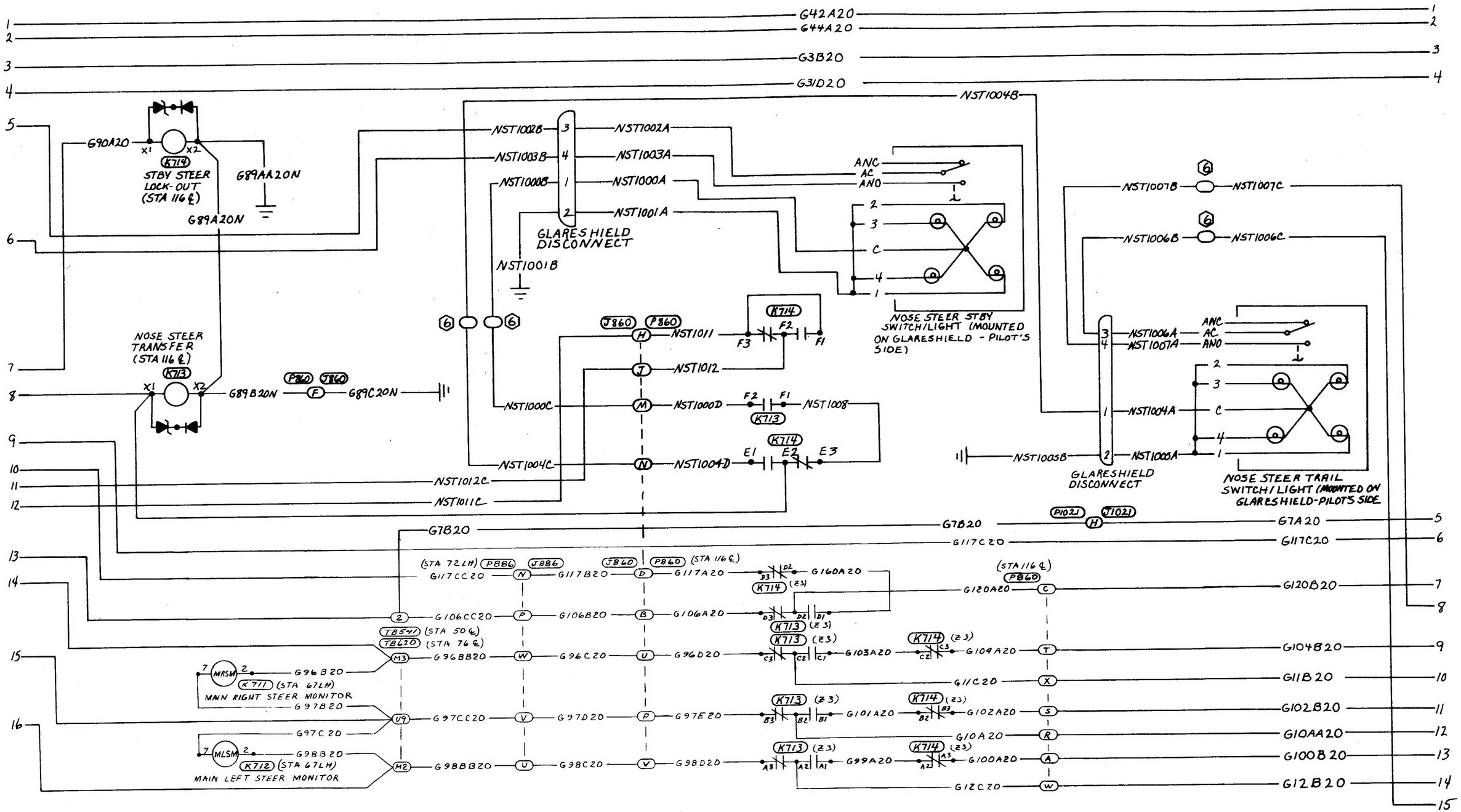

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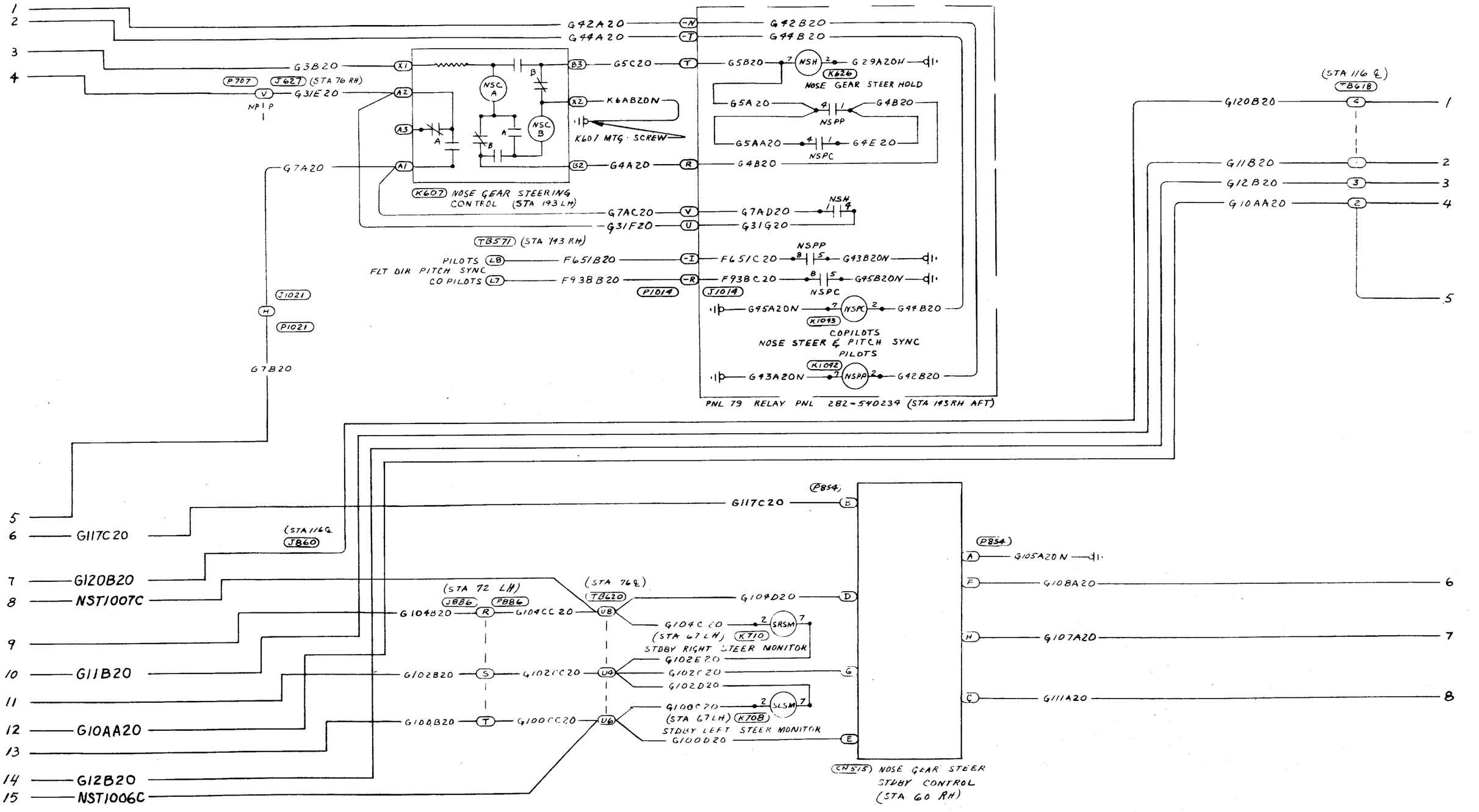

NEW

32-50-1
Page 17 Blank/18
May 23/86

NOSE GEAR STEER SYSTEM
S/N 370-1 & Subs Modified by S/B 85-2
(Sheet 4 of 5)

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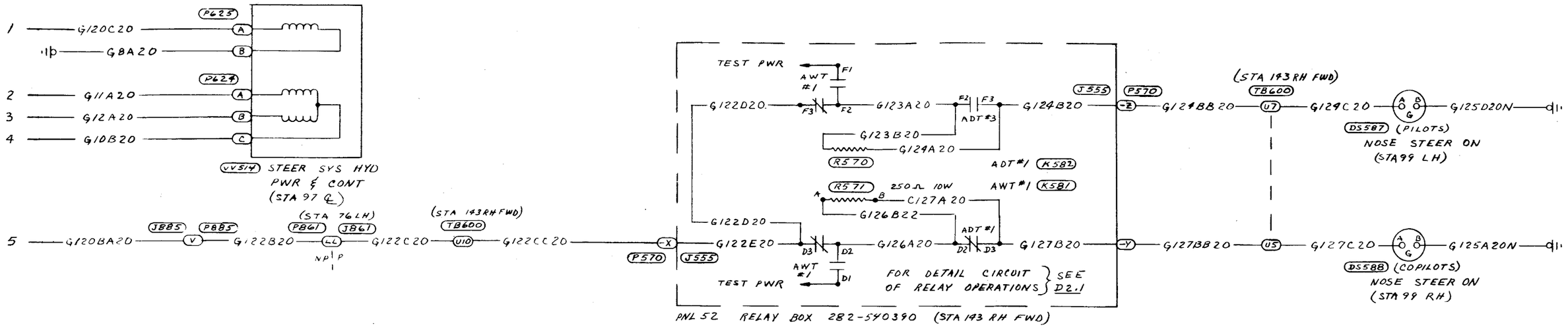

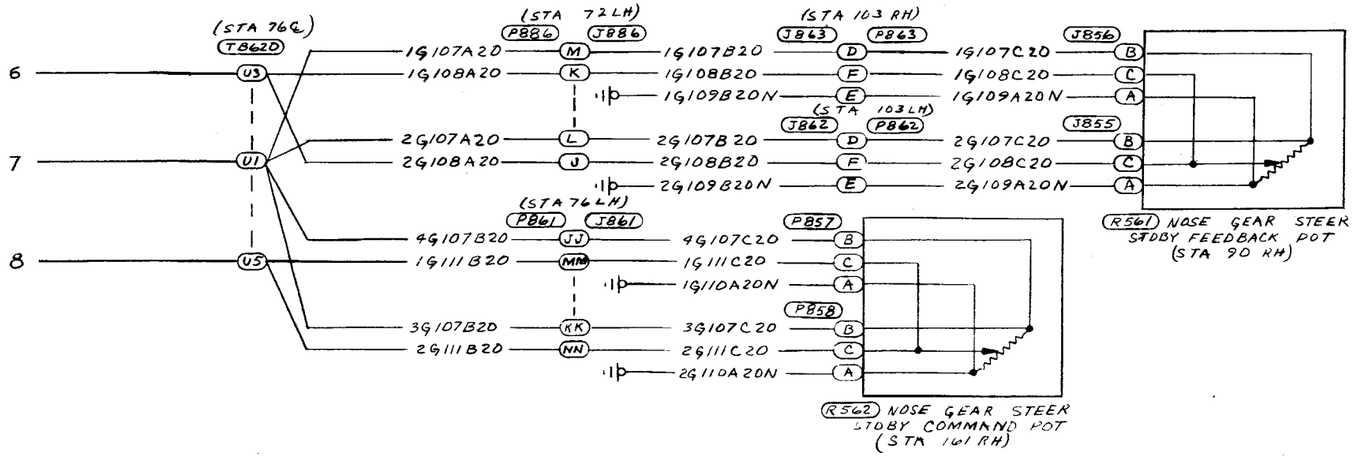

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SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)			
ITEM NO.	**DESCRIPTION**		**LOCATION**
PANEL 23	PILOT INBD INSTRUMENT PNL		94LH
PANEL 32	LANDING GEAR CONTROL PNL		98 LH
PANEL 80	RH OUTBD OVHD CB PNL		127RH
PANEL 52	RH PILOT COMPT RELAY BOX		143 RH
PANEL 57	AFT FUSELAGE N & V RELAY BOX		401 RH
PANEL 62	QUADRANT ASSY-THROTTLE CONTROL		101 ℄
PANEL 11	COVER ASSY ELEC PWR DIST BOX		333
P528	PLUG — PANEL 57 DISC	J513	400
P545	PLUG — PANEL 52 DISC	J530	143 RH
P549	PLUG — PANEL 54 DISC	J534	333 ℄
P569	PLUG — PANEL 32 DISC	J554	50 LH
P570	PLUG — PANEL 52 DISC	J555	143 RH
P632	PLUG — NOSE GR DISC	J577	103 ℄
P633	PLUG — LH MAIN GR DISC	J578	290
P 634	PLUG — RH MAIN GR DISC	J579	290
P717	PLUG — PANEL 62 DISC	J712	101 ℄
P705	PLUG — WING DISC	J625	206 OUTBD
P707	PLUG	J627	76 FWD
TB500	TERM BD		333
TB502	↕		400 LH
TB544	↕		298
TB551	↕		PANEL 52
TB556	↕		90
TB583	↕		143 RH
TB593	TERM BD		298 RH

NOTES/LEGEND

1. FOR OPERATION SEE D2.1 CAUTION WARNING AND INDICATOR LIGHTS DIM AND TEST
2. SEE APPLICABLE EFFECTIVITY OF SYSTEMS LISTED BELOW
   L1.1 FLIGHT CONTROL TRIM SYSTEM
   L3.1 SPEED BRAKE SYSTEM
   R1.1-1 AUDIO SYSTEM — PROVISIONS
3. FOR DETAIL GROUND CIRCUIT SEE B7.1 ELECTRICAL GROUND SYSTEM
4. FOR DETAIL GROUND CIRCUIT SEE D17.1 ENGINE, RADIO, AND INSTRUMENTS INDIRECT LIGHTS SYSTEM
5. K3.2 ENGINE THRUST REVERSER CONTROL SYSTEM
6. J8.1 THRUST REVERSER INDICATING SYSTEM

EFFECTIVITY

[1] S/N 370-1 THRU -9
AIRPLANES CHANGED BY S/B 75-11

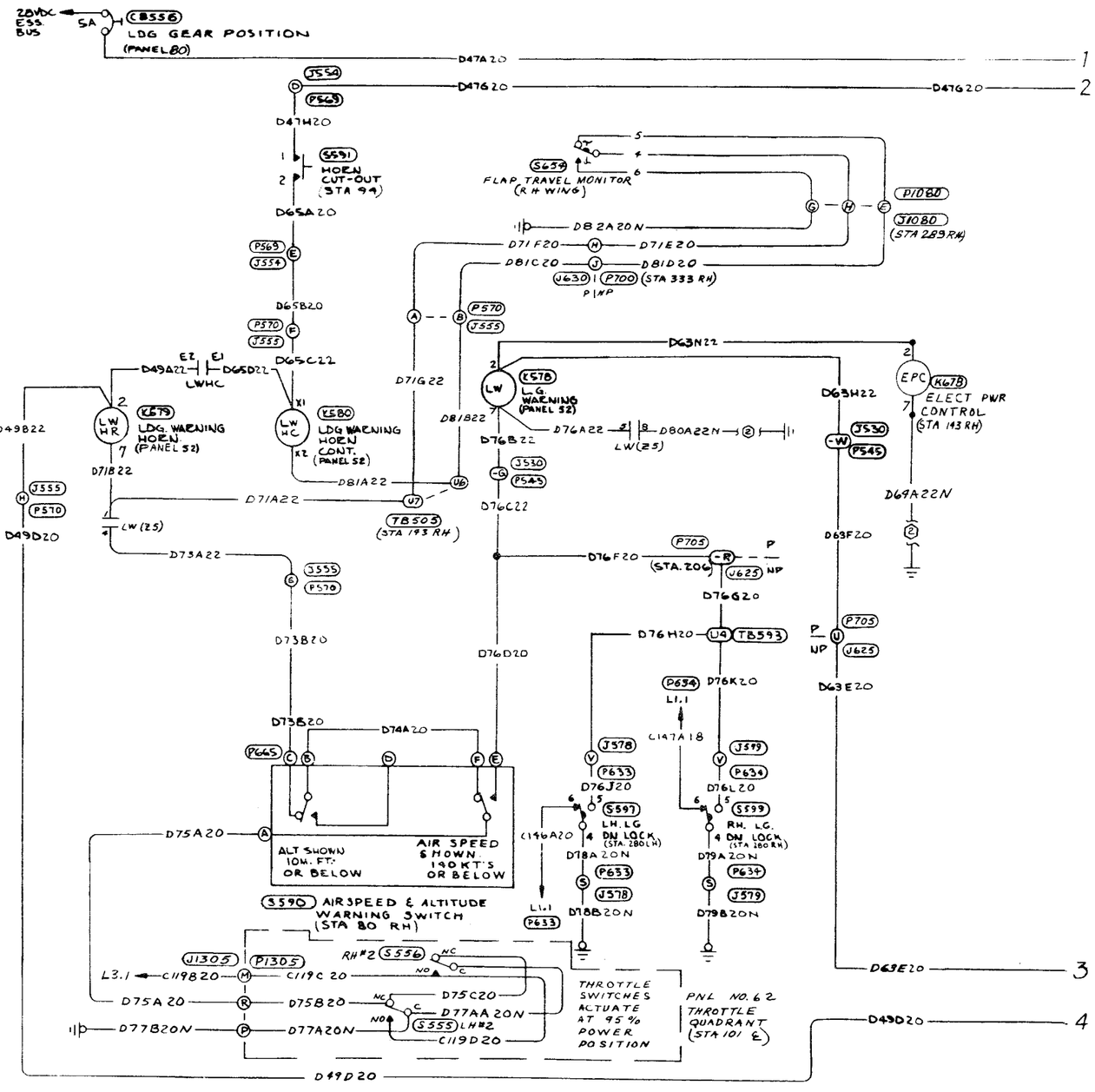
[2] S/N 370-1 THRU -9
AIRPLANES CHANGED BY S/B 74-9

[3] S/N 370-1 THRU -9
AIRPLANES NOT CHANGED BY S/B 74-9

[4] S/N 370-1 THRU -9
AIRPLANES NOT CHANGED BY S/B 73-7

[5] S/N 370-1 THRU -9
AIRPLANES CHANGED BY S/B 73-7

[6] S/N 370-10 & SUBS



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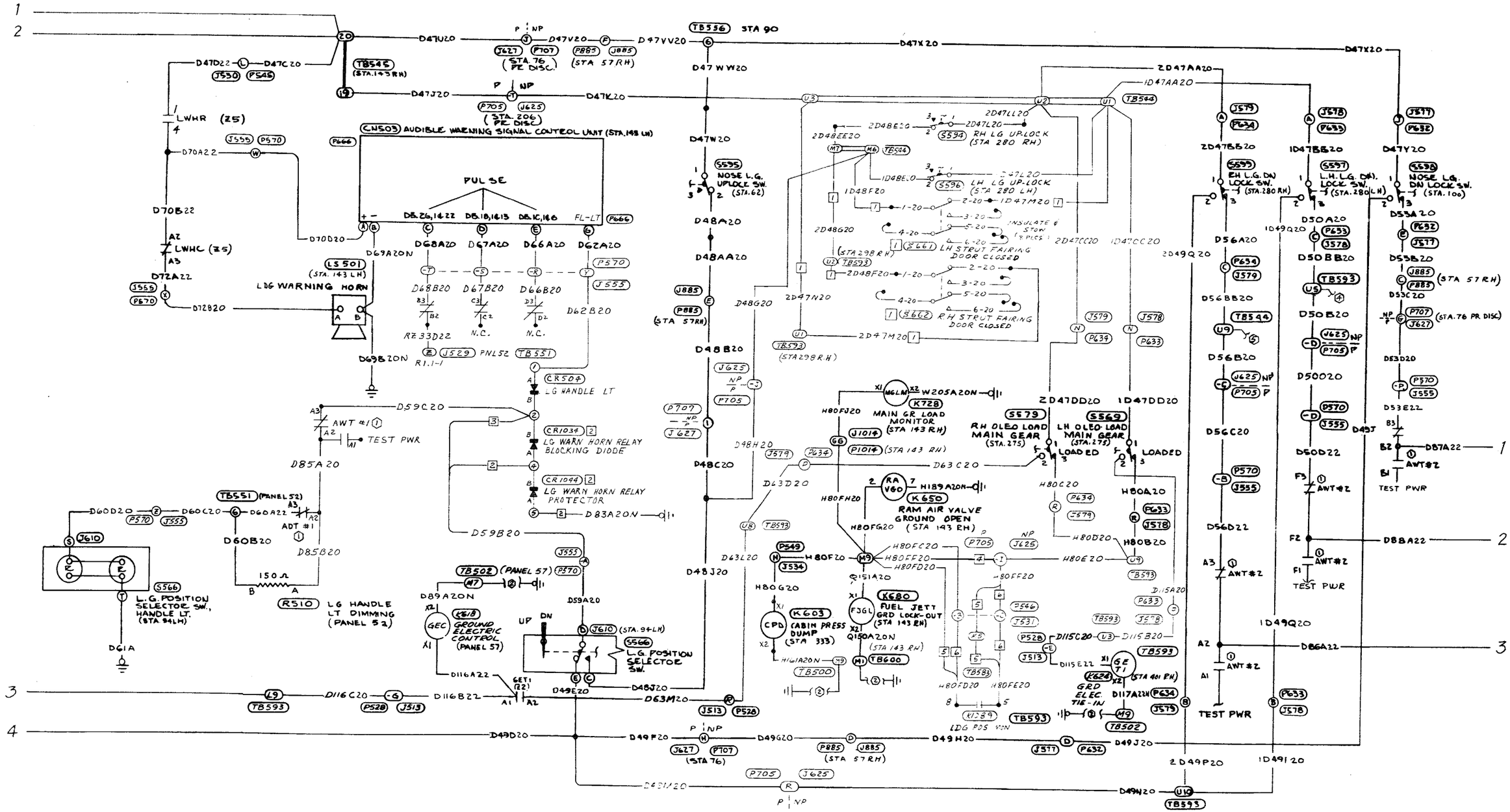
CWS03 AUDIBLE WARNING SIGNAL CONTROL UNIT (STA.143 LH)
PULSE
LWHR (Z5)
LWHC (Z5)
LS501 (STA. 143 LH)
LDG WARNING HORN
TB556 STA 90
TB544
TB543
TB551 (PANEL 52)
TB502 (PANEL 57)
TB593
TB600
S595 NOSE L.G. UPLOCK SW. (STA.62)
S594 RH LG UPLOCK (STA 280 RH)
S596 LH LG UP-LOCK (STA 280 LH)
S599 RH L.G. DN LOCK SW. (STA.280 RH)
S597 L.H. L.G. DN. LOCK SW. (STA.280 LH)
S598 NOSE LG. DN LOCK SW. (STA. 100)
S566 L.G. POSITION SELECTOR SW., HANDLE LT. (STA 94 LH)
L.G. POSITION SELECTOR SW.
LG HANDLE LT DIMMING (PANEL 52)
LG HANDLE LT
CR504 LG HANDLE LT
CR1034 LG WARN HORN RELAY BLOCKING DIODE
CR1044 LG WARN HORN RELAY PROTECTOR
AWT #1
TEST PWR
ADT #1
150Ω
RS10
GEC GROUND ELECTRIC CONTROL (PANEL 57)
CPD CABIN PRESS DUMP (STA 333)
K603
K680 FUEL JETT GRD LOCK-OUT (STA 143 RH)
K728 MAIN GR LOAD MONITOR (STA 143 RH)
K650 RAM AIR VALVE GROUND OPEN (STA 143 RH)
K1289
K624
K661 LH STRUT FAIRING DOOR CLOSED
K662 RH STRUT FAIRING DOOR CLOSED
INSULATE & STOW (3 PLCS)
RH OLEO LOAD MAIN GEAR (STA. 275)
LH OLEO LOAD MAIN GEAR (STA. 275)
LOADED
GE 71 GRD ELEC. TIE-IN (STA 401 RH)
LDG POS VON
MGLM
RA V60
Q150A20N (STA 143 RH)
Q151A20
D48A20
D48AA20
D48B20
D48C20
D48J20
D48H20
D47W20
D47WW20
D47V20
D47VV20
D47U20
D47X20
D47K20
D47J20
D47C20
D47D22
D70A22
D70B22
D70D20
D69A20N
D69B20N
D68B20
D67B20
D66B20
D62B20
D68A20
D67A20
D66A20
D62A20
D59C20
D59B20
D59A20
D85A20
D85B20
D60D20
D60C20
D60A22
D60B20
D63C20
D63D20
D63L20
D63M20
D48E20
D49D20
D49F20
D49G20
D49H20
D49J20
D49N20
D49P20
D49Q20
D116A22
D116C20
D116B22
D115A20
D115C20
D115B20
D115E22
D117A22N
H80FJ20
H80FH20
H80FG20
H80FF20
H80FD20
H80FE20
H80G20
H80C20
H80D20
H80A20
H80B20
H80E20
H189A20N
W205A20N
2D47AA20
1D47AA20
2D47LL20
2D48EE20
2D48E20
2D47L20
1D48E20
2D48F20
1D48F20
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2D47CC20
1D47CC20
2D47DD20
1D47DD20
2D47BB20
1D47BB20
D47Y20
D56A20
D56BB20
D56B20
D56C20
D56D22
D50A20
D50BB20
D50B20
D50020
D50D22
D53A20
D53BB20
D53C20
D53D20
D53E22
D47J
D49Q20
1D49Q20
2D49P20
1D49I20
D87A22
D88A22
D86A22
(STA 57 RH)
(STA 76 PR DISC)
(STA 206 PR DISC)
(STA 298 RH)
(STA 143 RH)
(STA 143 LH)
(STA 94 LH)
(STA 333)
(PANEL 57)
(PANEL 52)
PNL52 R1.1-1
RZ33D22
RZ33D20
N.C.
N.C.
GE1 (R2)
P570
P666
J555
J610
J529
J530
J545
J625
J627
J705
J707
J885
P885
P705
P707
J1014
P1014
J513
P526
J534
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J531
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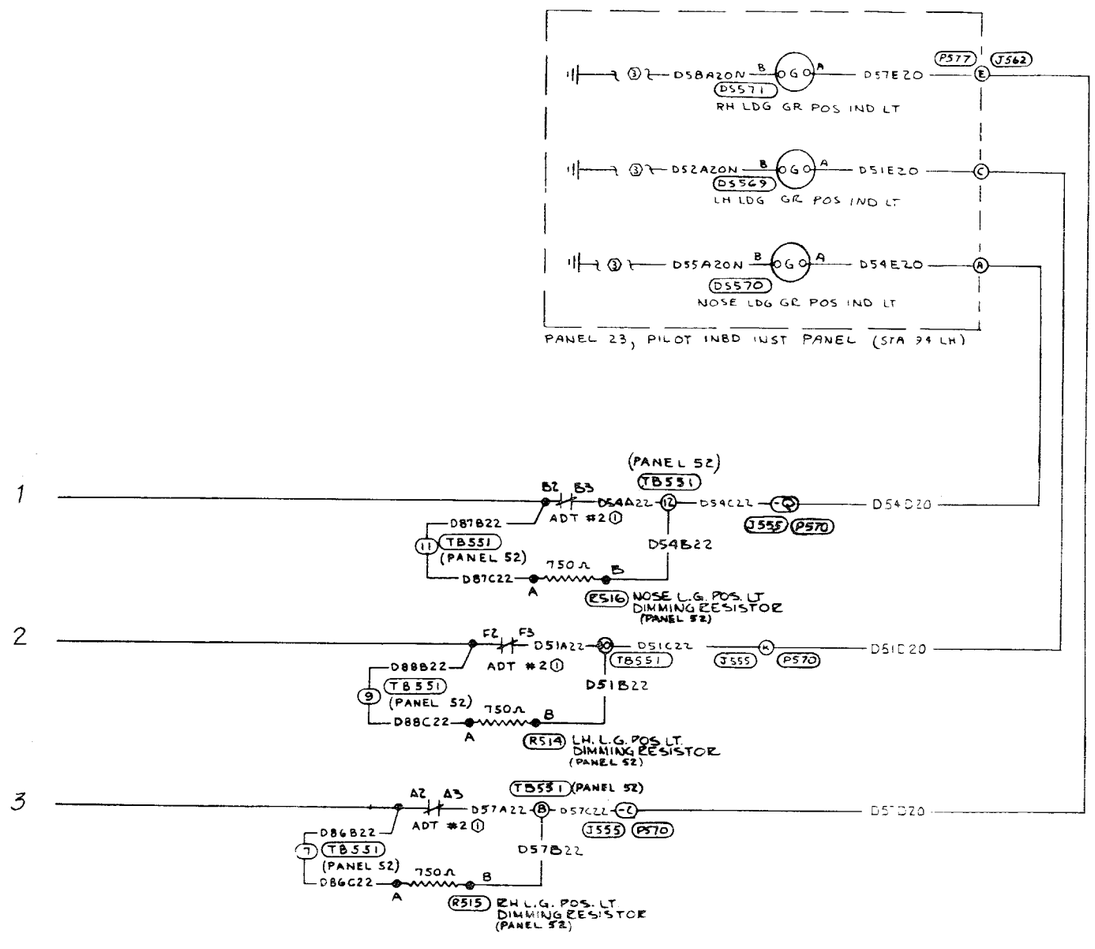

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CHAPTER 33

LIGHTS

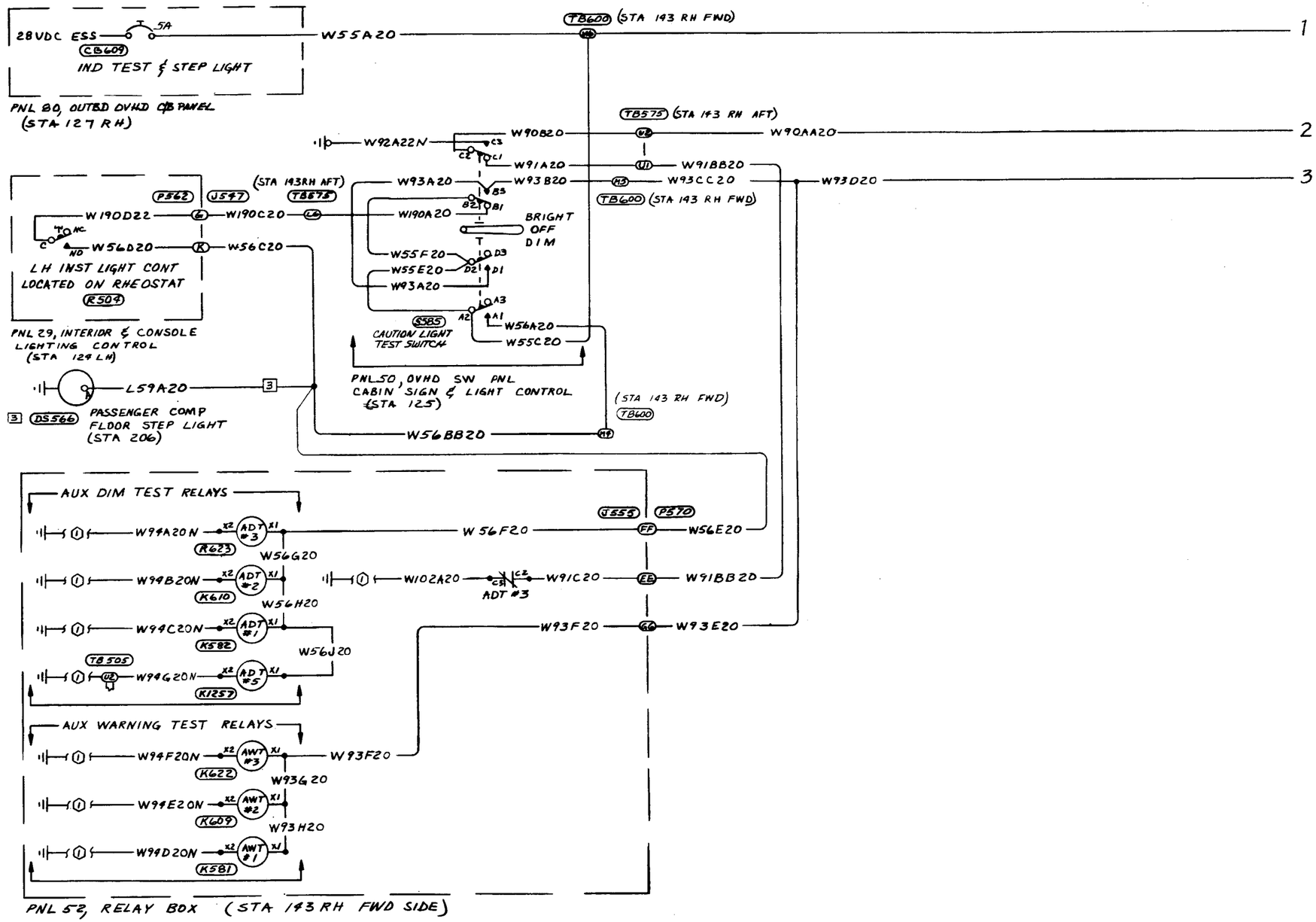
NOTES/LEGEND

1. FOR DETAIL SEE B7.1 ELECTRICAL GROUND SYSTEM
2. UNIDENTIFIED JUMPER
3. SEE APPLICABLE EFFECTIVITY OF SYSTEMS LISTED BELOW

D20.1	LANDING AND TAXI LIGHT SYSTEM
E2.1	LANDING GEAR POSITION INDICATING AND WARNING SYSTEM
E3.1-1	NOSE GEAR STEER SYSTEM
H1.1	PASSENGER OXYGEN FLOW SYSTEM
J8.1	THRUST REVERSER INDICATING SYSTEM
H3.1	ENGINE FIRE DETECTOR SYSTEM

EFFECTIVITY

1. S/N 370-2 THRU -6, -8, & -9 AIRPLANES NOT CHANGED BY S/B 74-9
2. S/N 370-2 THRU -6, -8, & -9 AIRPLANES CHANGED BY S/B 74-9
3. S/N 370-2 THRU -6
4. S/N 370-2 THRU -6, -8, & -9 AIRPLANES CHANGED BY S/B 74-8
5. AIRPLANES CHANGED BY S/B 73-6
6. AIRPLANES NOT CHANGED BY S/B 73-6
7. AIRPLANES CHANGED BY S/L 84-4



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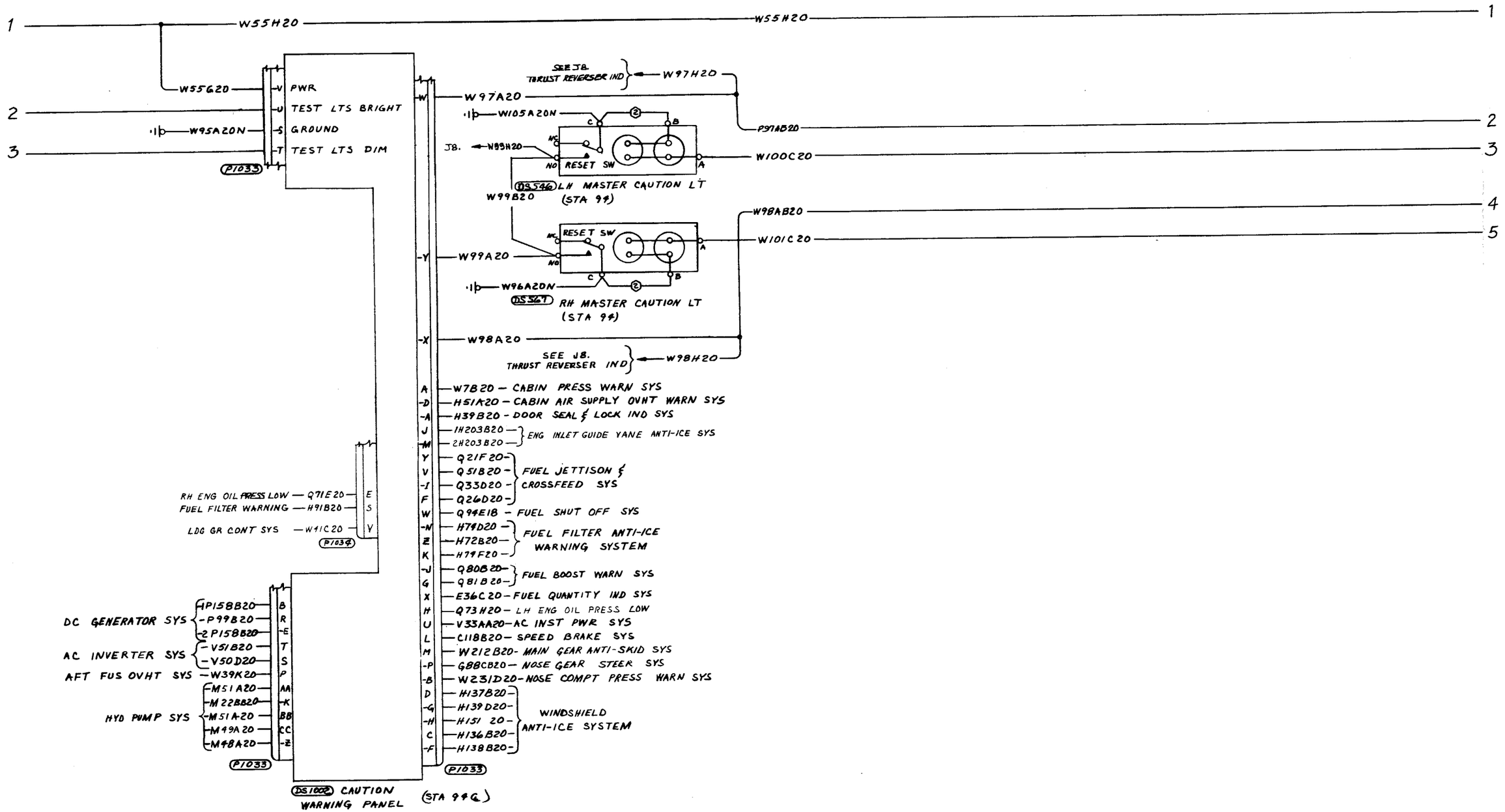

CAUTION WARNING AND INDICATOR LIGHTS DIM & TEST AND PASSENGER COMPARTMENT FLOOR STEP LIGHT SYSTEM
S/N 370-2 thru -6, -8, -9
(Sheet 2 of 3)

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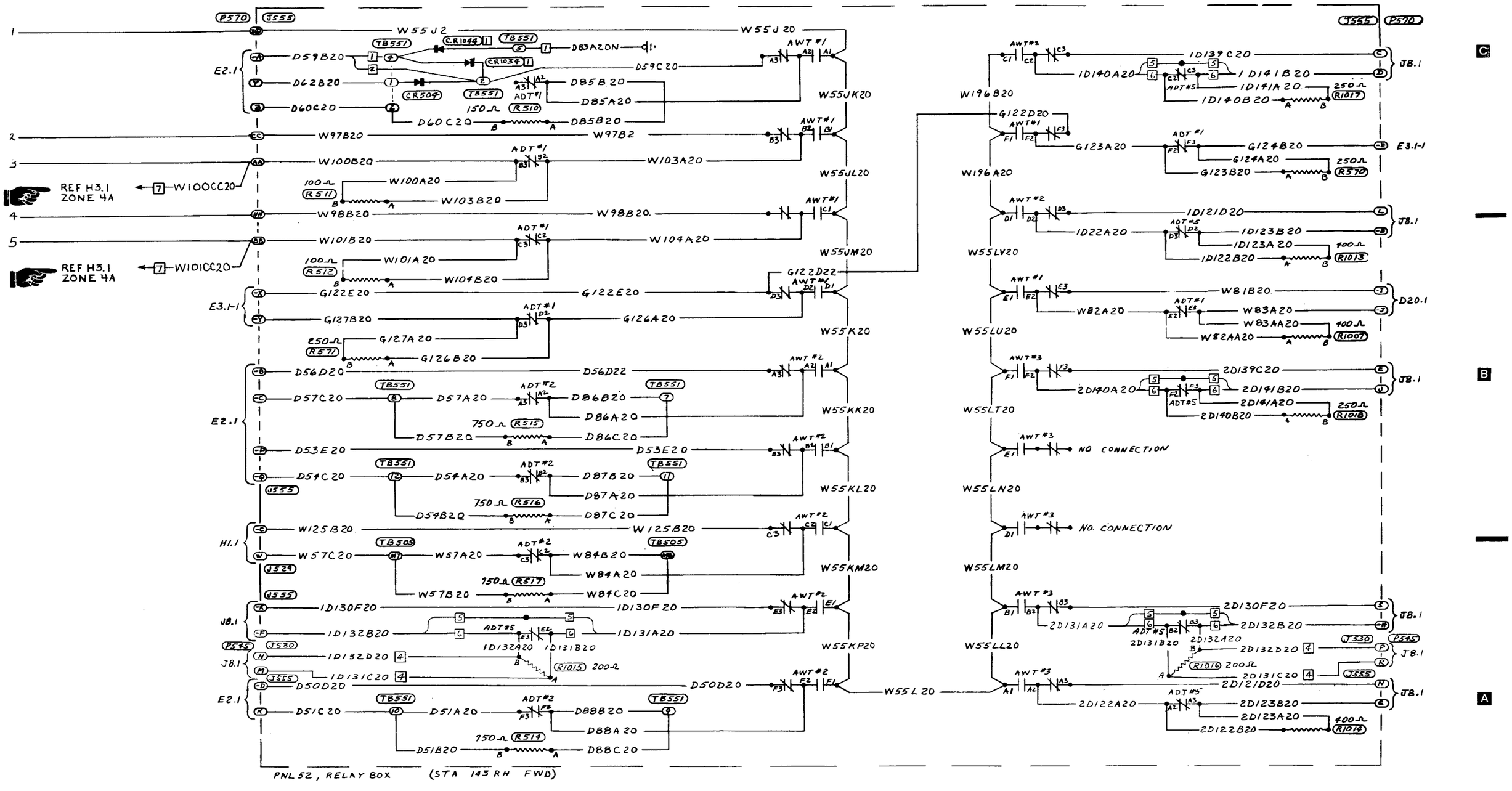

CAUTION WARNING AND INDICATOR LIGHTS DIM & TEST AND PASSENGER COMPARTMENT FLOOR STEP LIGHT SYSTEM
S/N 370-2 thru -6, -8, -9
(Sheet 3 of 3)

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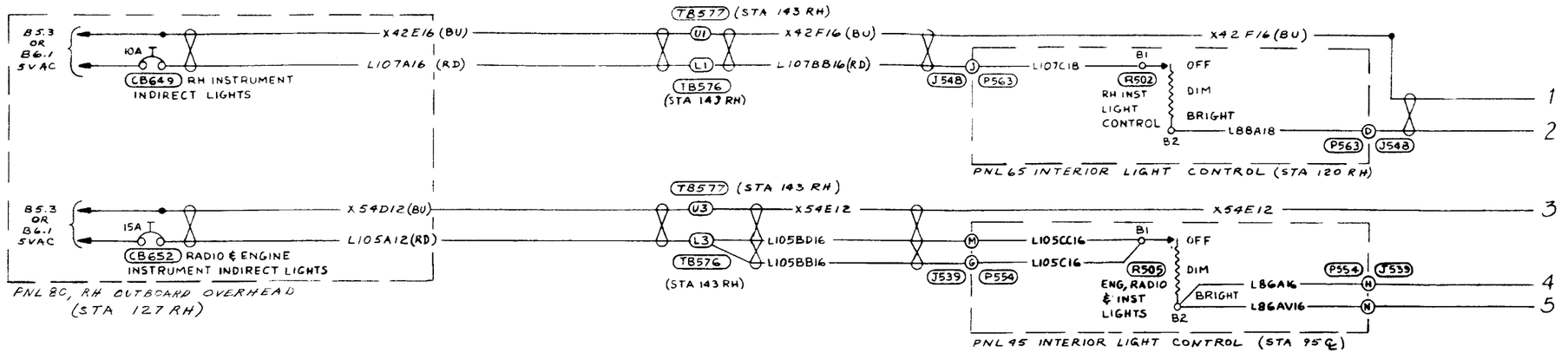
4	3	2	1	D2.1



NOTES/LEGEND

1. SEE APPLICABLE EFFECTIVITY SYSTEMS LISTED BELOW

B5.1 AC POWER DISTRIBUTION SYSTEM
B6.1 AC INSTRUMENT AND INDIRECT LIGHTING SYSTEM
C6.1 OIL PRESSURE INDICATOR
E2.1 LANDING GEAR POSITION INDICATING AND WARNING SYSTEM
J7.1 HYDRAULIC PRESSURE INDICATING SYSTEMS
K2.1 INSTRUMENT PANEL VIBRATORS

EFFECTIVITY

[1] S/N 370-1 THRU -10
[2] S/N 370-11 & SUBS
[3] S/N 370-1 THRU -7
[4] S/N 370-8 & SUBS

ENGINE, RADIO, AND INSTRUMENT INDIRECT LIGHTS SYSTEM
NA 265-70, 370-1 and Subs
(Sheet 1 of 2)

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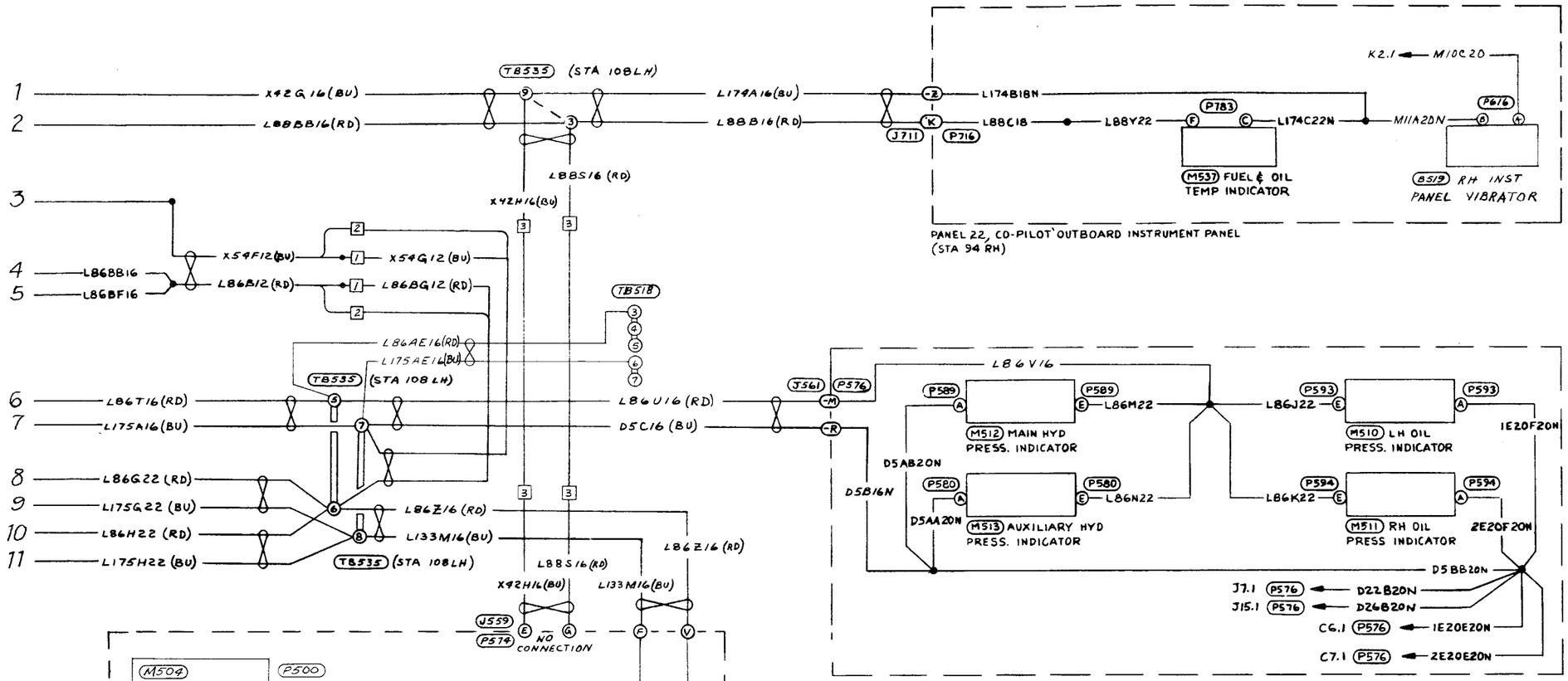

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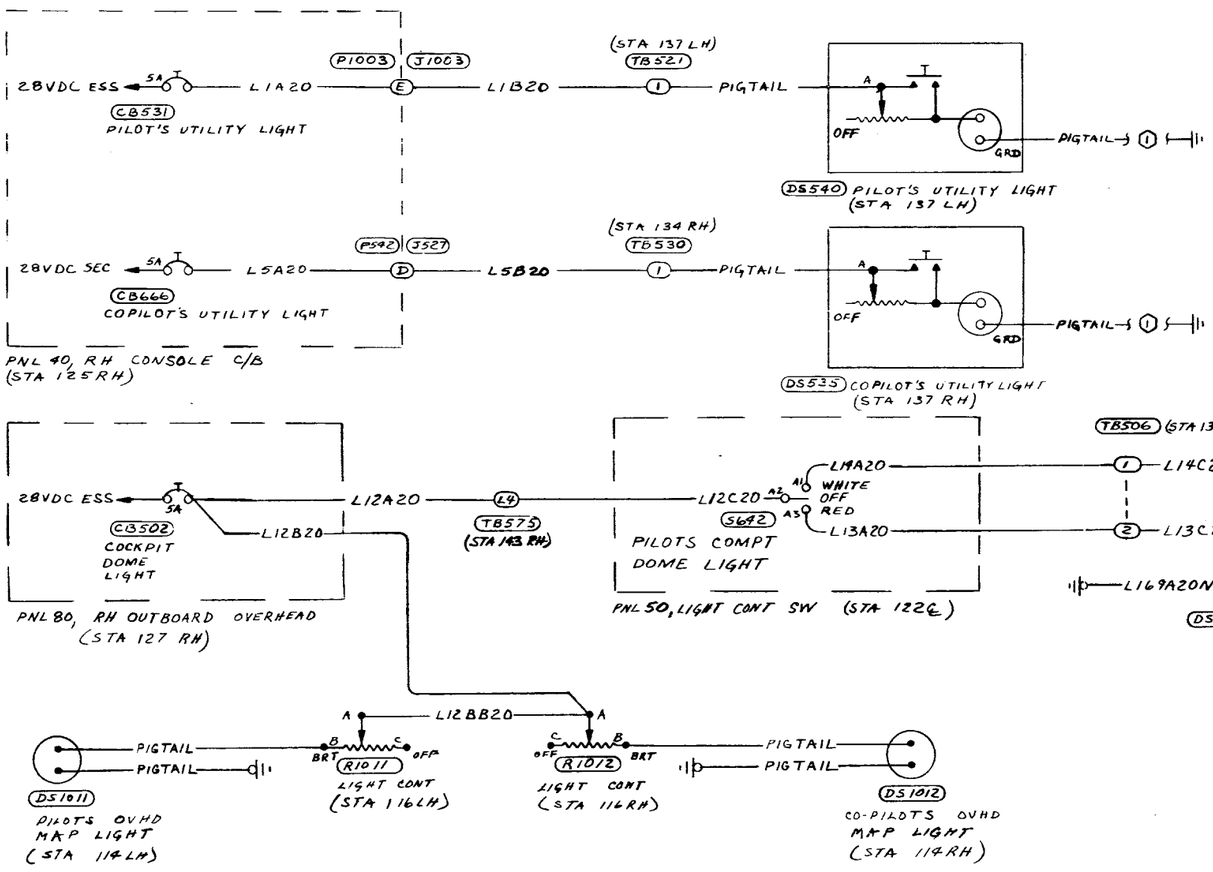

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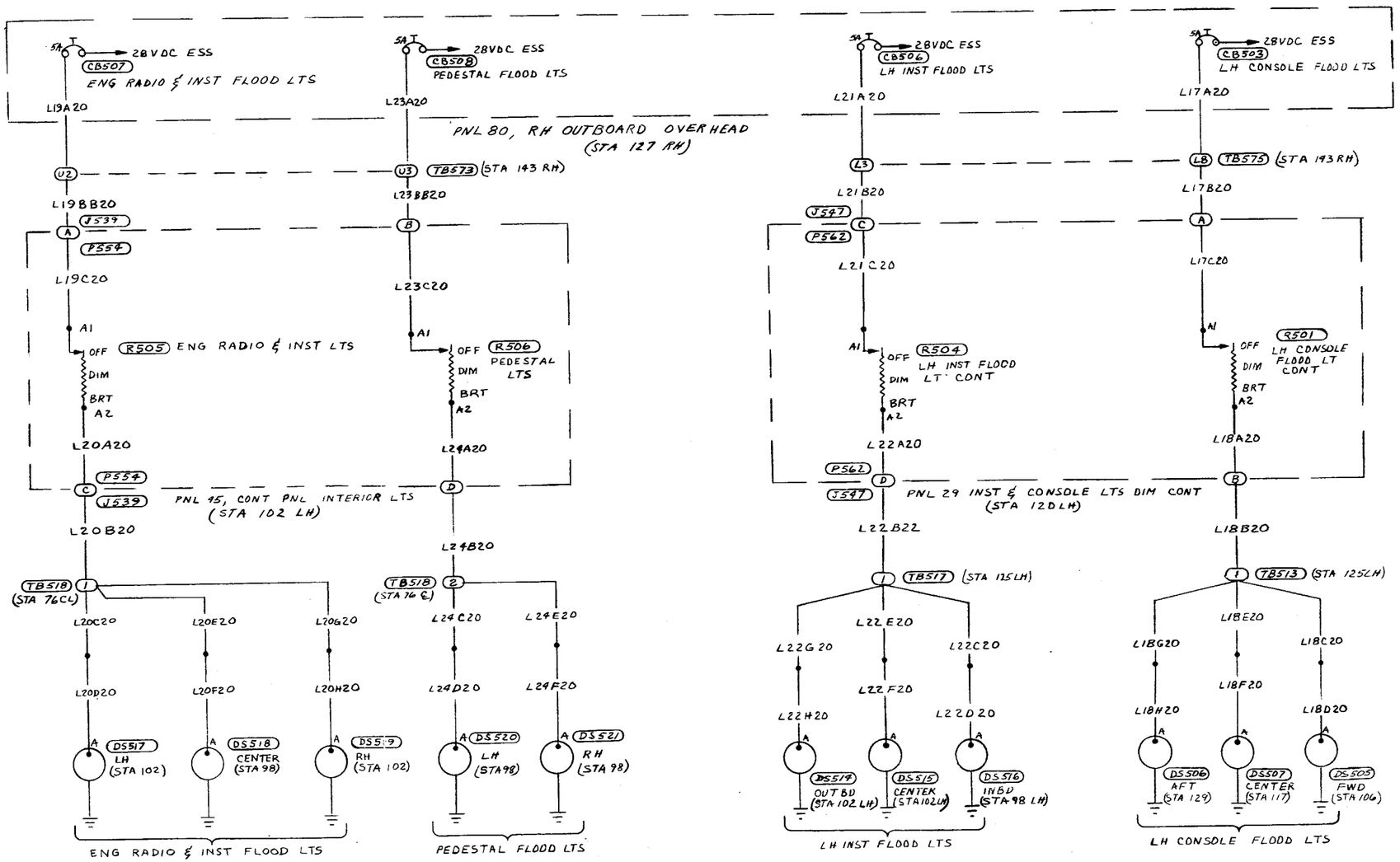

FLOOD LIGHT SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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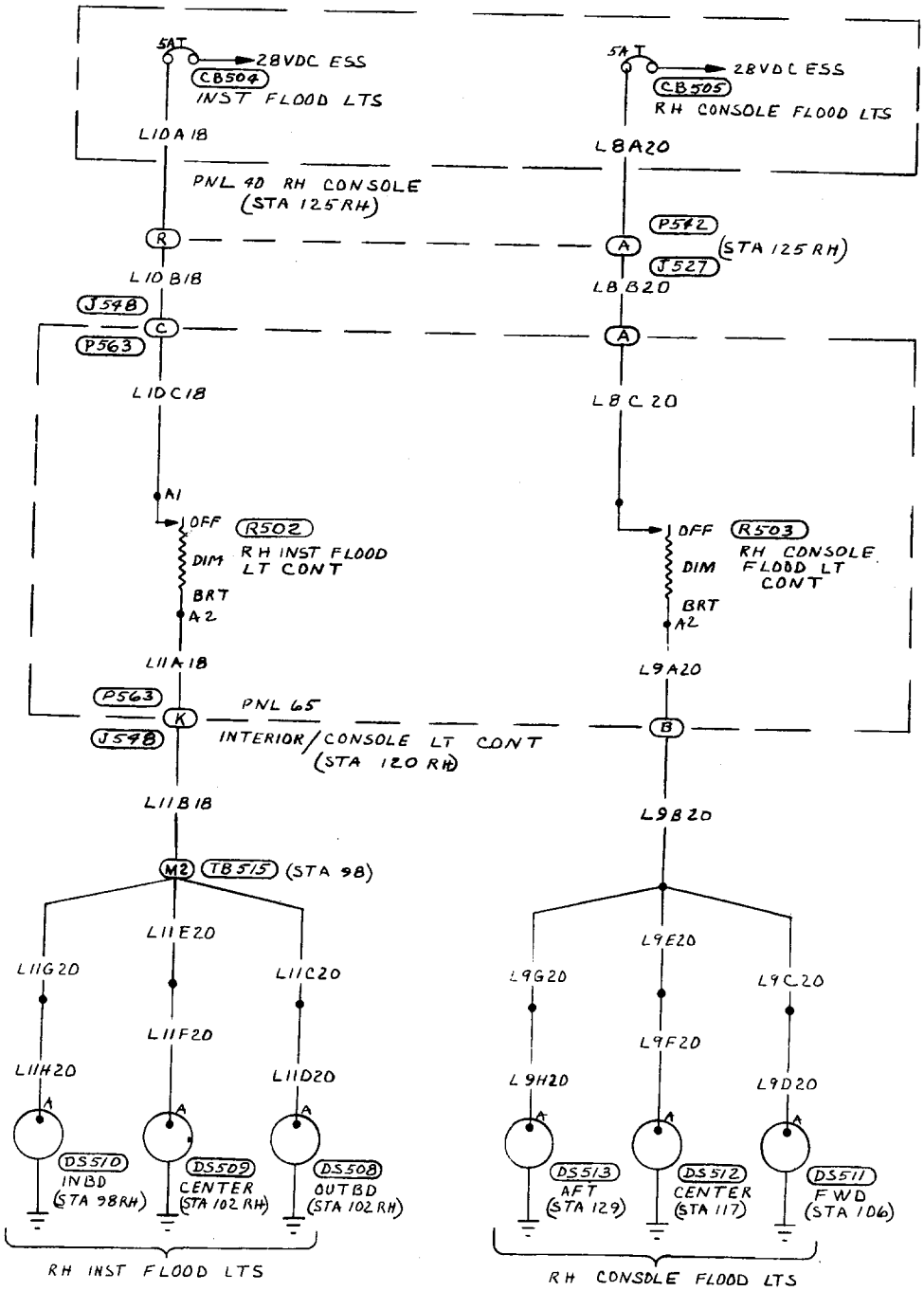

FLOOD LIGHT SYSTEM
NA265-70, 370-1 and Subs
(Sheet 2 of 2)

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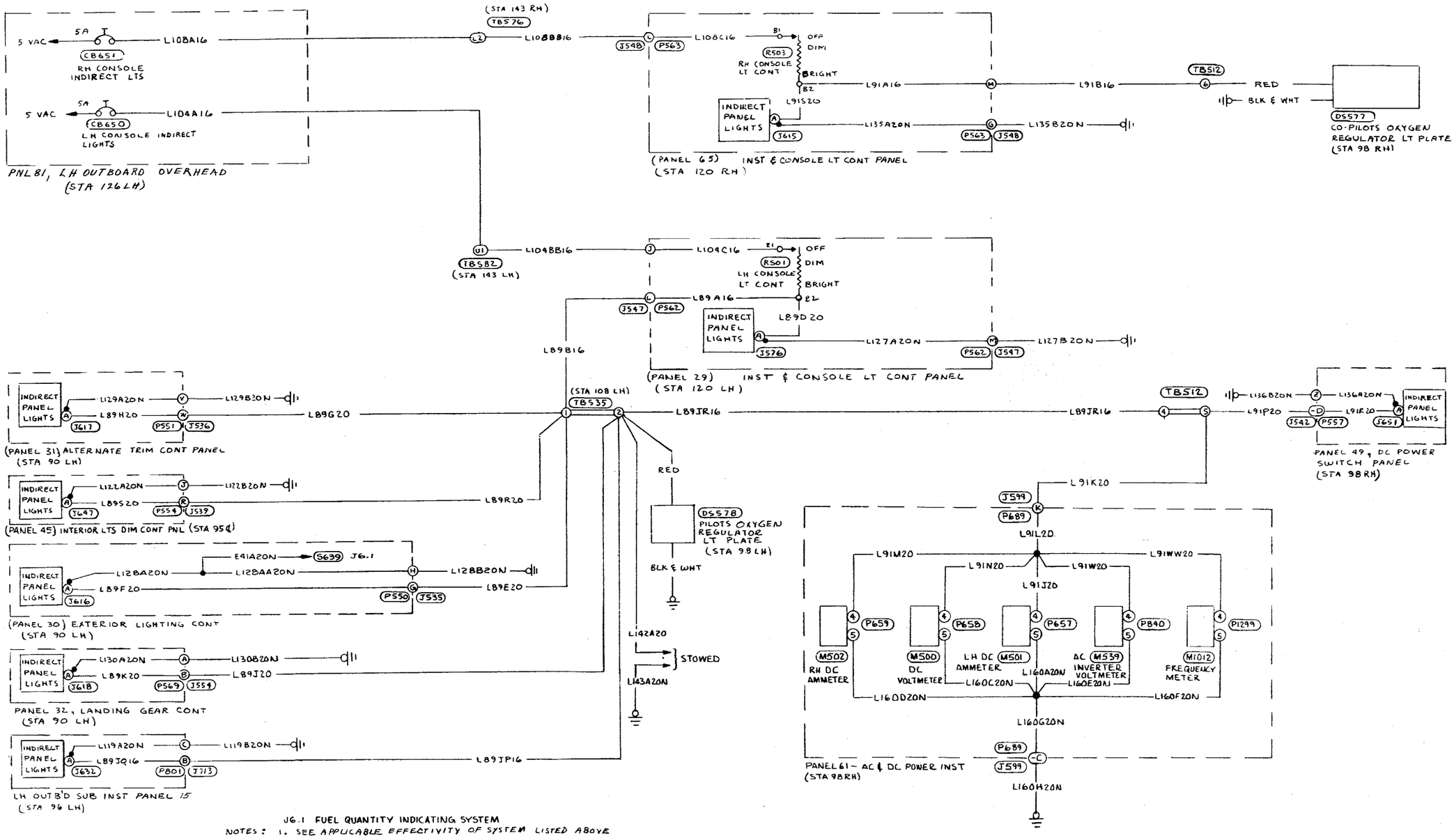

J6.1 FUEL QUANTITY INDICATING SYSTEM
NOTES: 1. SEE APPLICABLE EFFECTIVITY OF SYSTEM LISTED ABOVE

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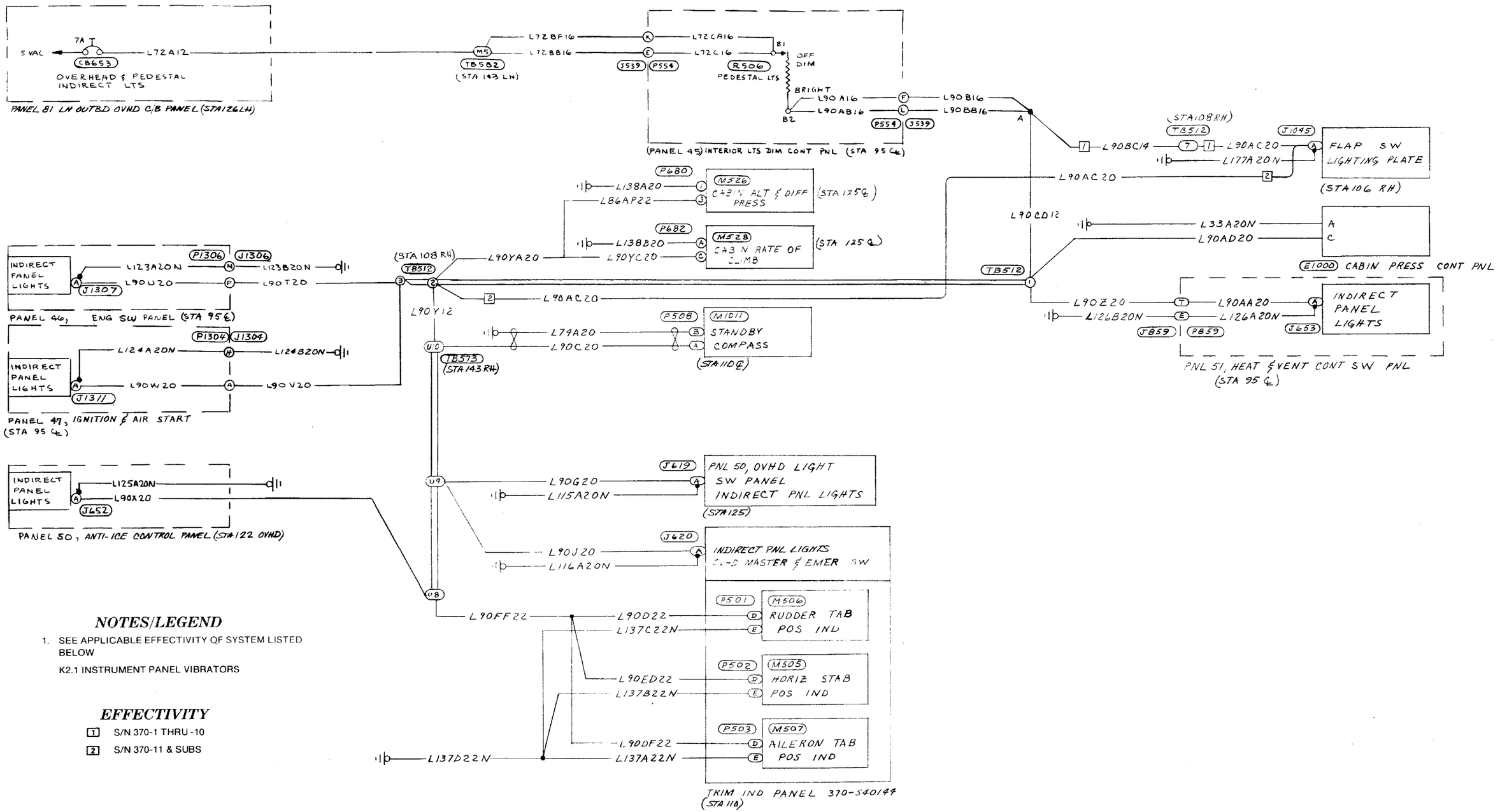

NOTES/LEGEND

1. SEE APPLICABLE EFFECTIVITY OF SYSTEM LISTED BELOW

   K2.1 INSTRUMENT PANEL VIBRATORS

EFFECTIVITY

[1] S/N 370-1 THRU -10

[2] S/N 370-11 & SUBS

STANDBY COMPASS, PEDESTAL AND OVERHEAD INDIRECT LIGHTS SYSTEM
NA 265-70, 370-1 and Subs
(Sheet 1 of 2)

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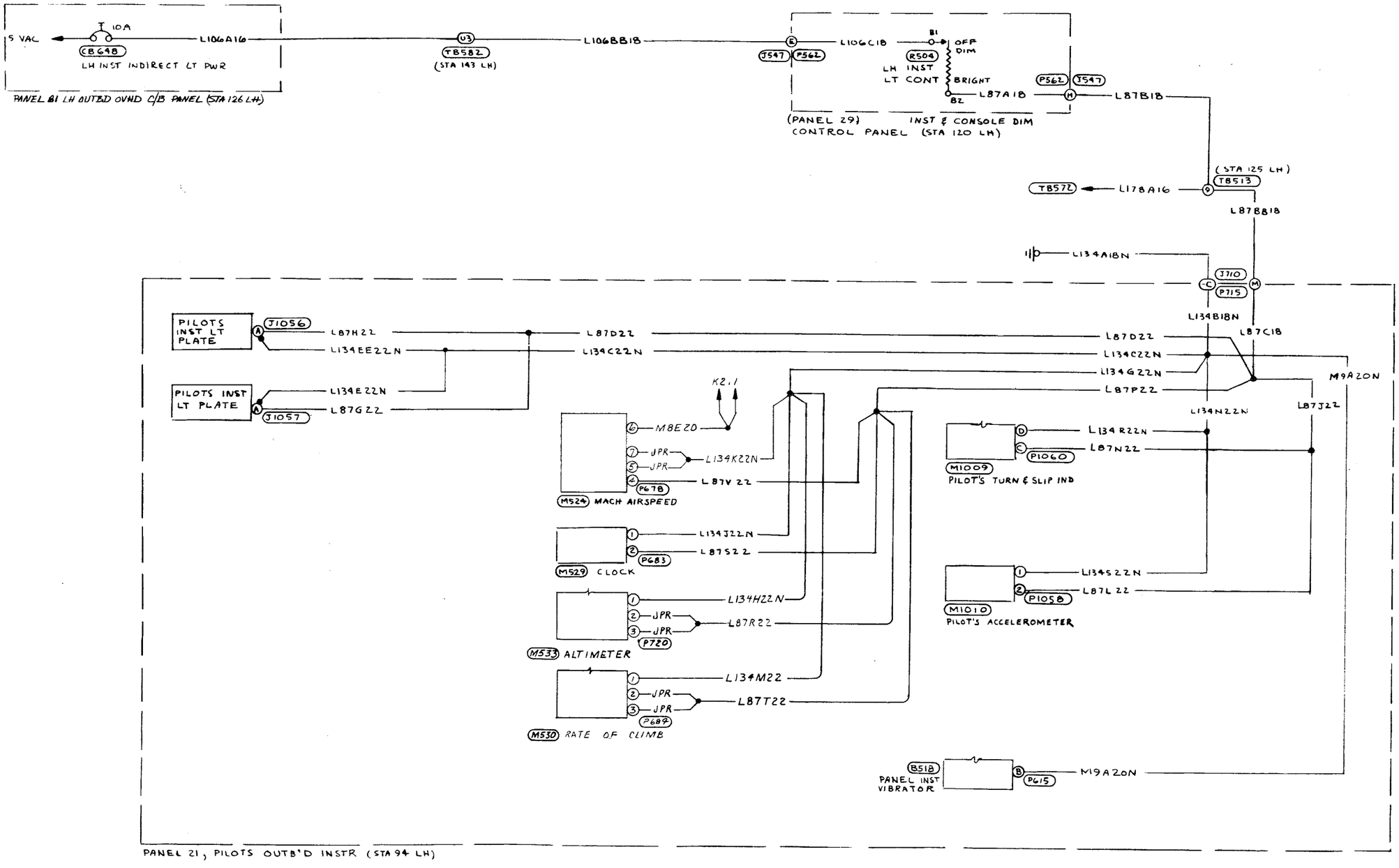
D18.1	5	4	3



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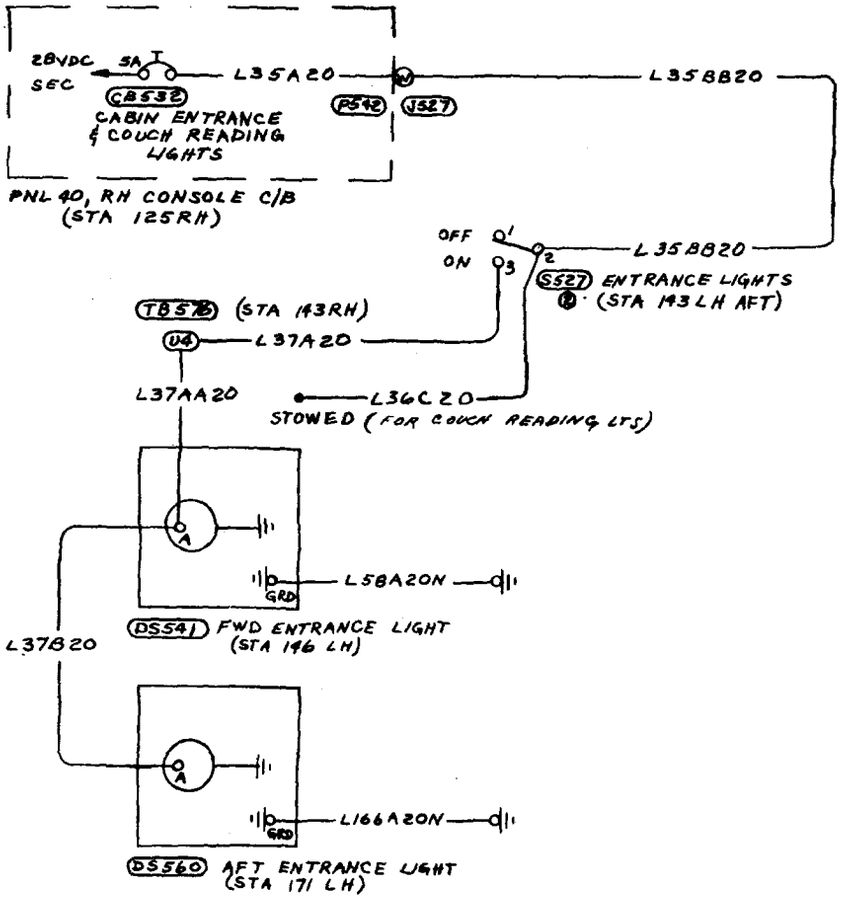

NOTES:

1. ABOVE SYSTEM IS APPLICABLE & IS SHOWN IN SCHEMATIC FORM FOR CIRCUITRY ONLY.

(1) DB.1 PASSENGER'S DOME, COAT & BAGGAGE COMPARTMENT LIGHTING SYSTEMS.

(2) 2. DENOTES ITEMS ARE NOT INSTALLED BY NAA.

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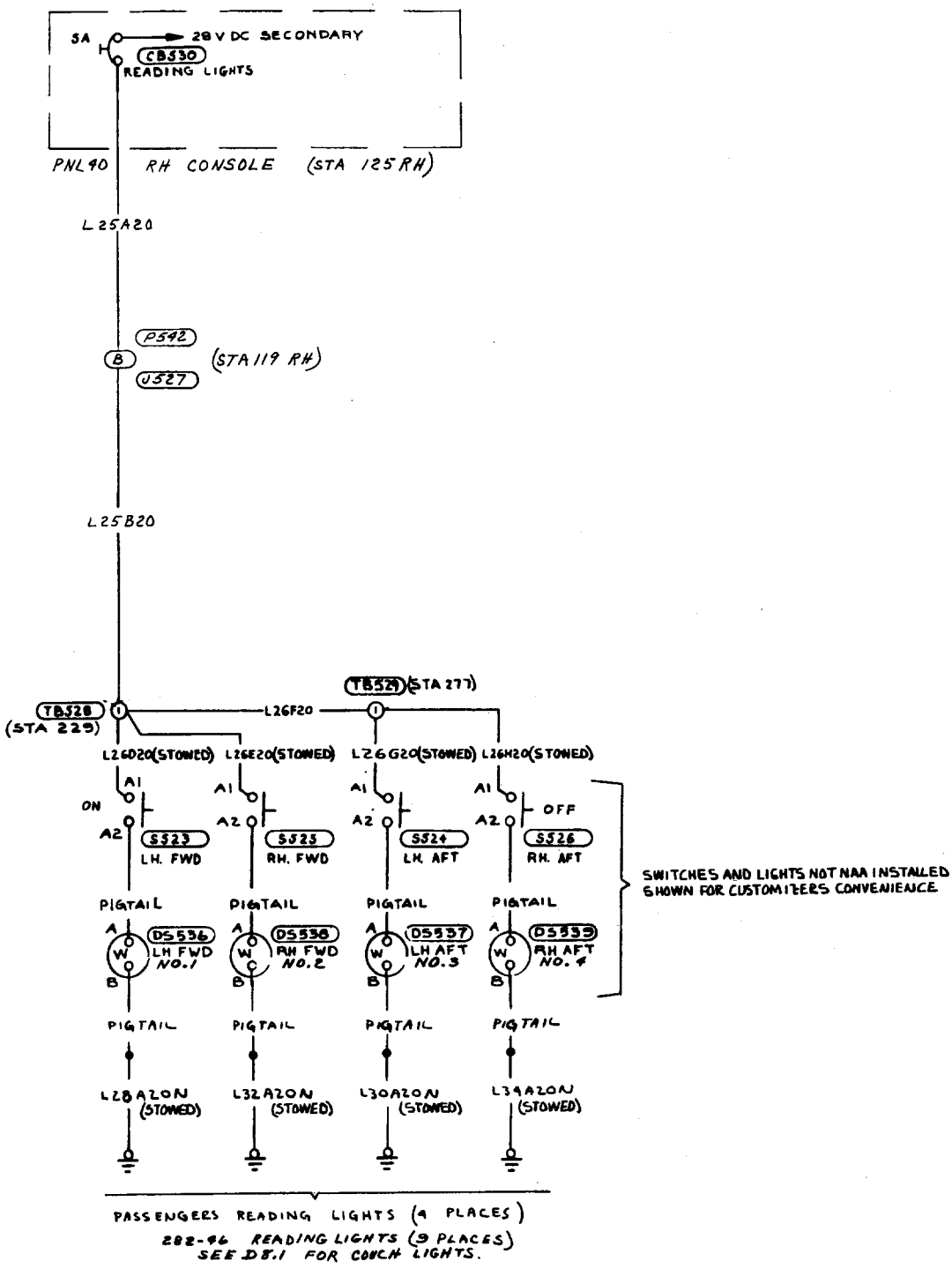

NOTES:

① 1. SHOWN IN SCHEMATIC FORM FOR CIRCUITRY ONLY, FOR DETAILED CIRCUIT SEE: PASSENGER COMPT DOME, COAT AND BAGGAGE AND ENTRANCE LIGHT SYSTEM. (D8.1)

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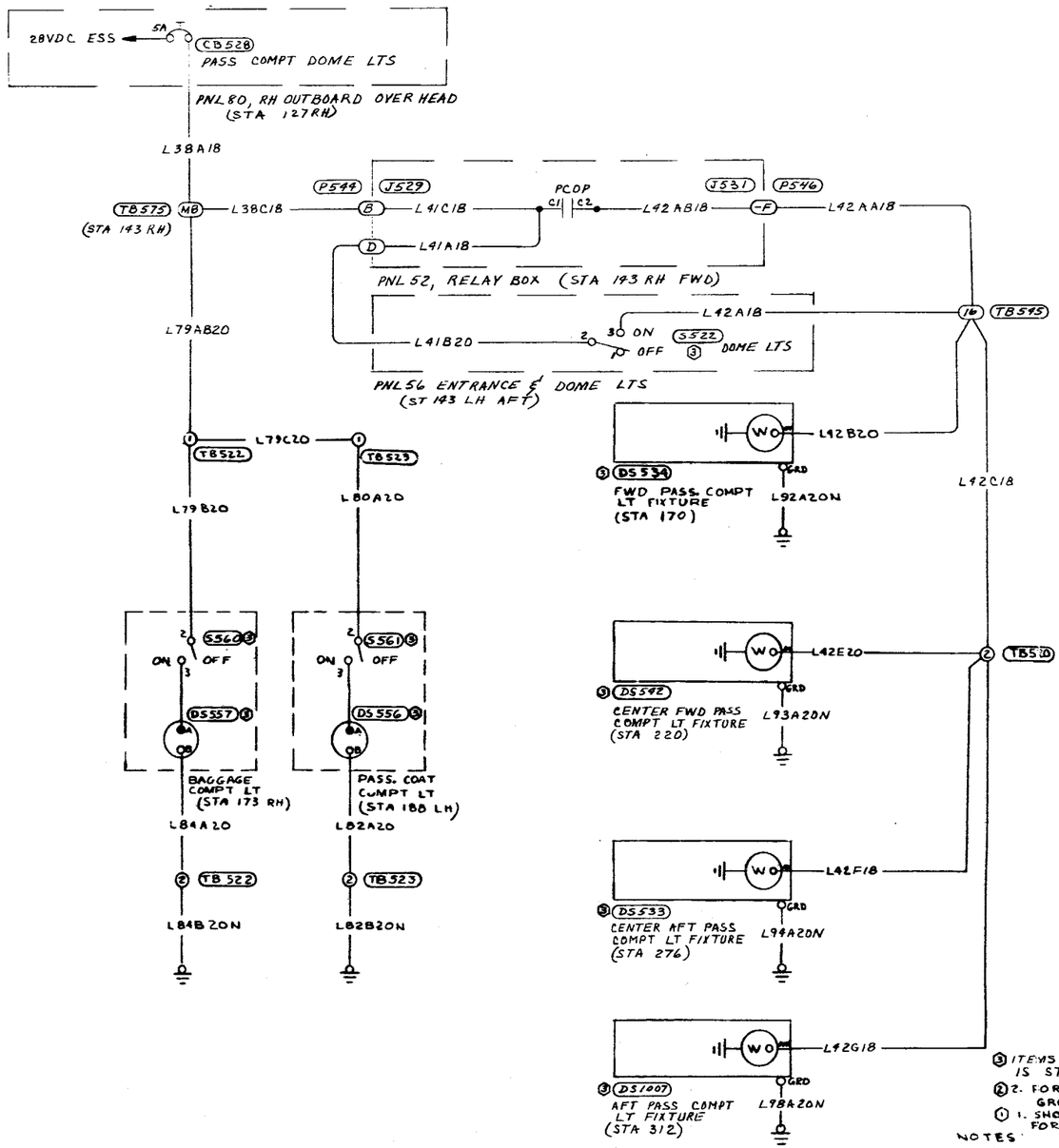

SUPPLEMENTARY LOCATION LIST
(FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)

ITEM NO.	DESCRIPTION	LOCATION
PANEL 52	RH PILOT COMPT RELAY BOX	143 RH FWD
P544	PLUG - PANEL 52 (J529)	143 RH
P546	PLUG - PANEL 52 (J531)	143 RH
TB520	TERM BD CABIN DOME LTS	210 ℄
TB522	TERM BD BAGGAGE LT	182 RH
TB523	TERM BD COAT LT	182 LH
TB545	TERM BD	143 RH AFT

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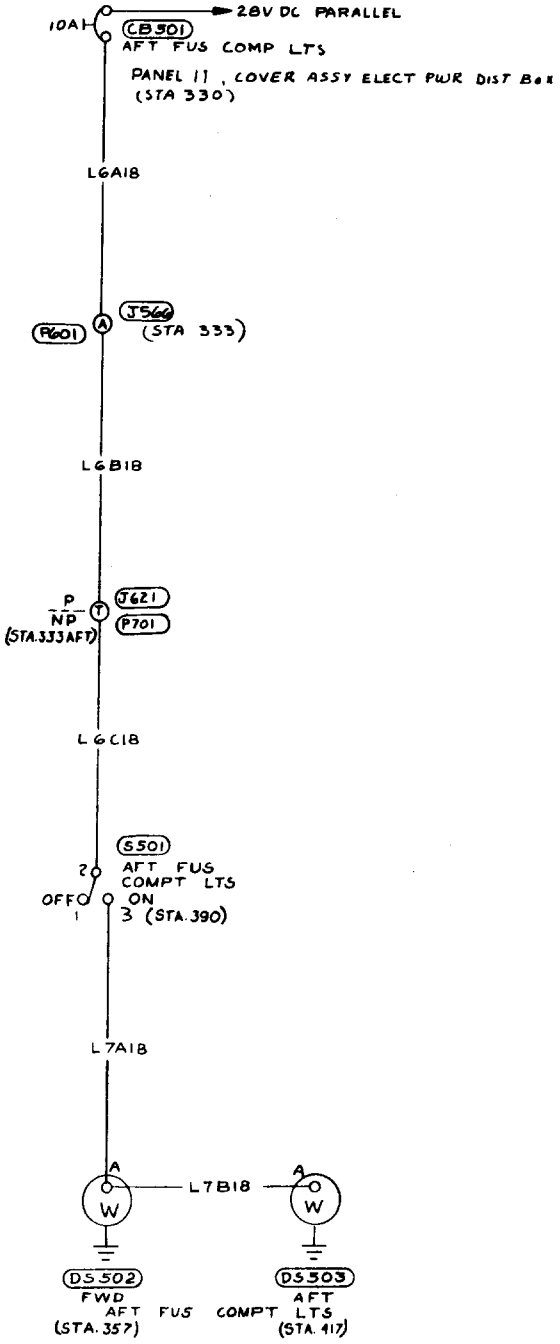

AFT FUSELAGE COMPARTMENT LIGHTING SYSTEM
NA265-70, 370-1 and Subs

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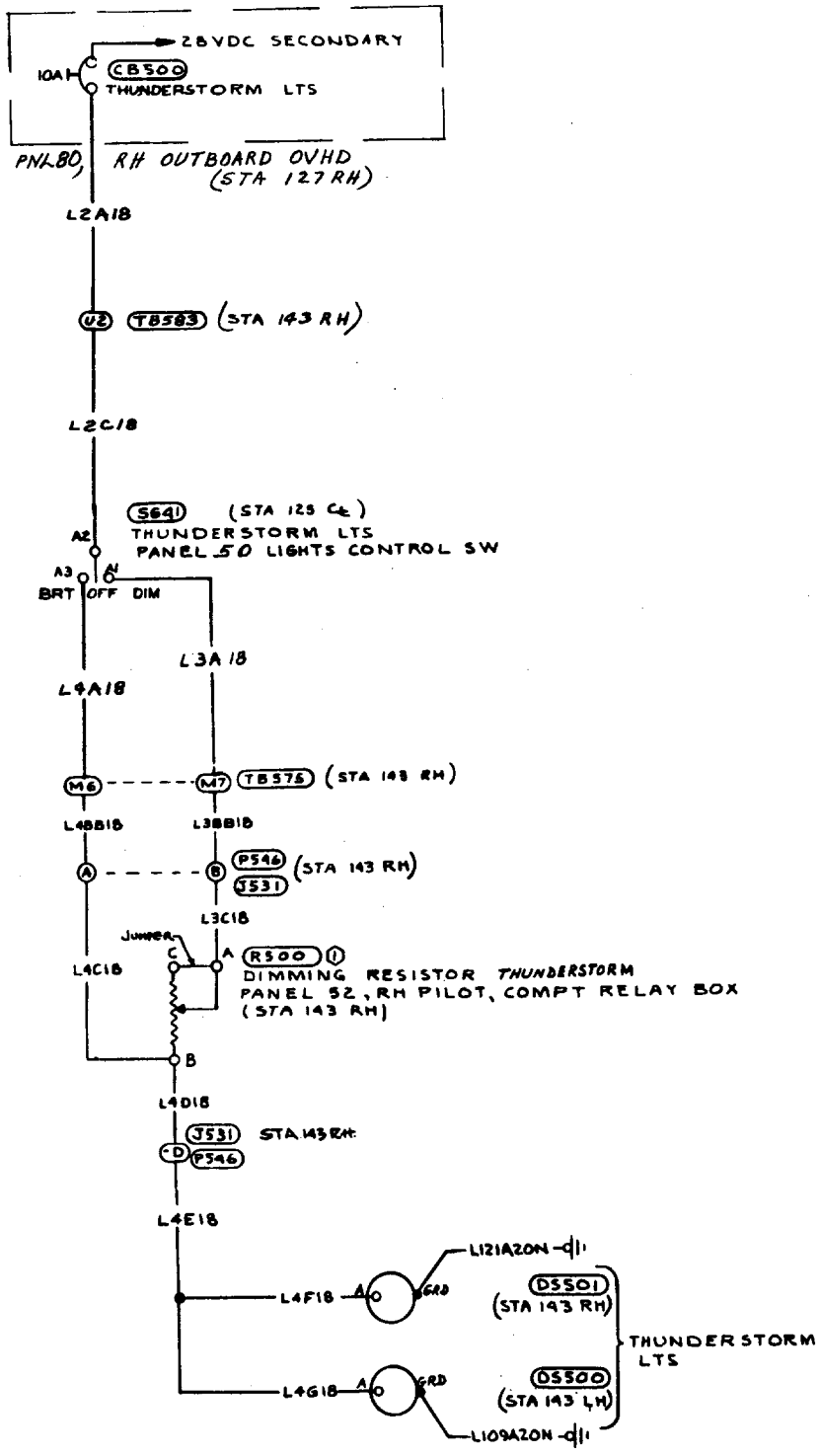

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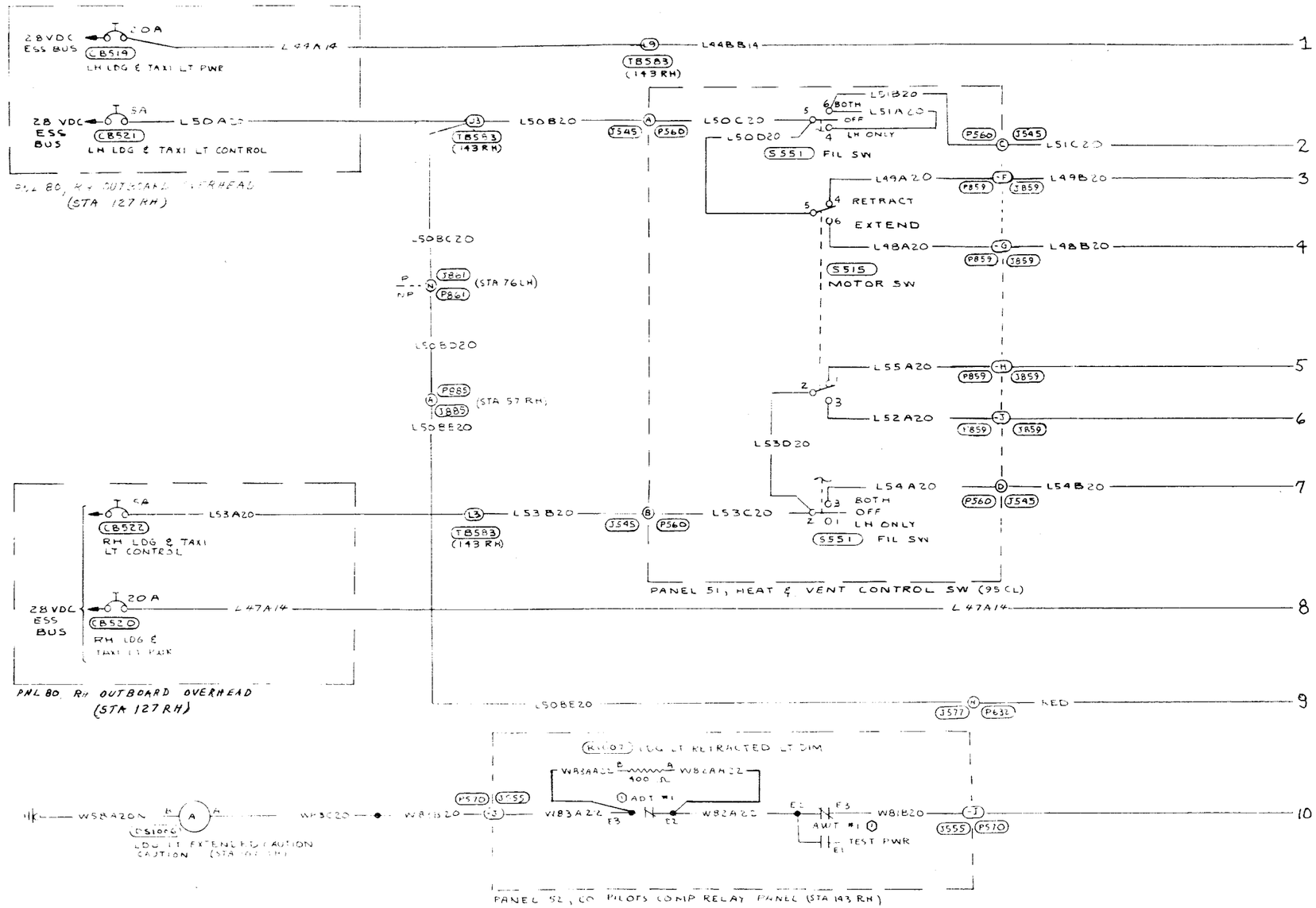

NOTES/LEGEND

① FOR ACTUATION OF RELAY CONTACTS AND TEST POWER SEE D2.1 CAUTION WARNING AND INDICATOR LIGHTS DIM AND TEST

ORIGINAL AS RECEIVED BY ATP

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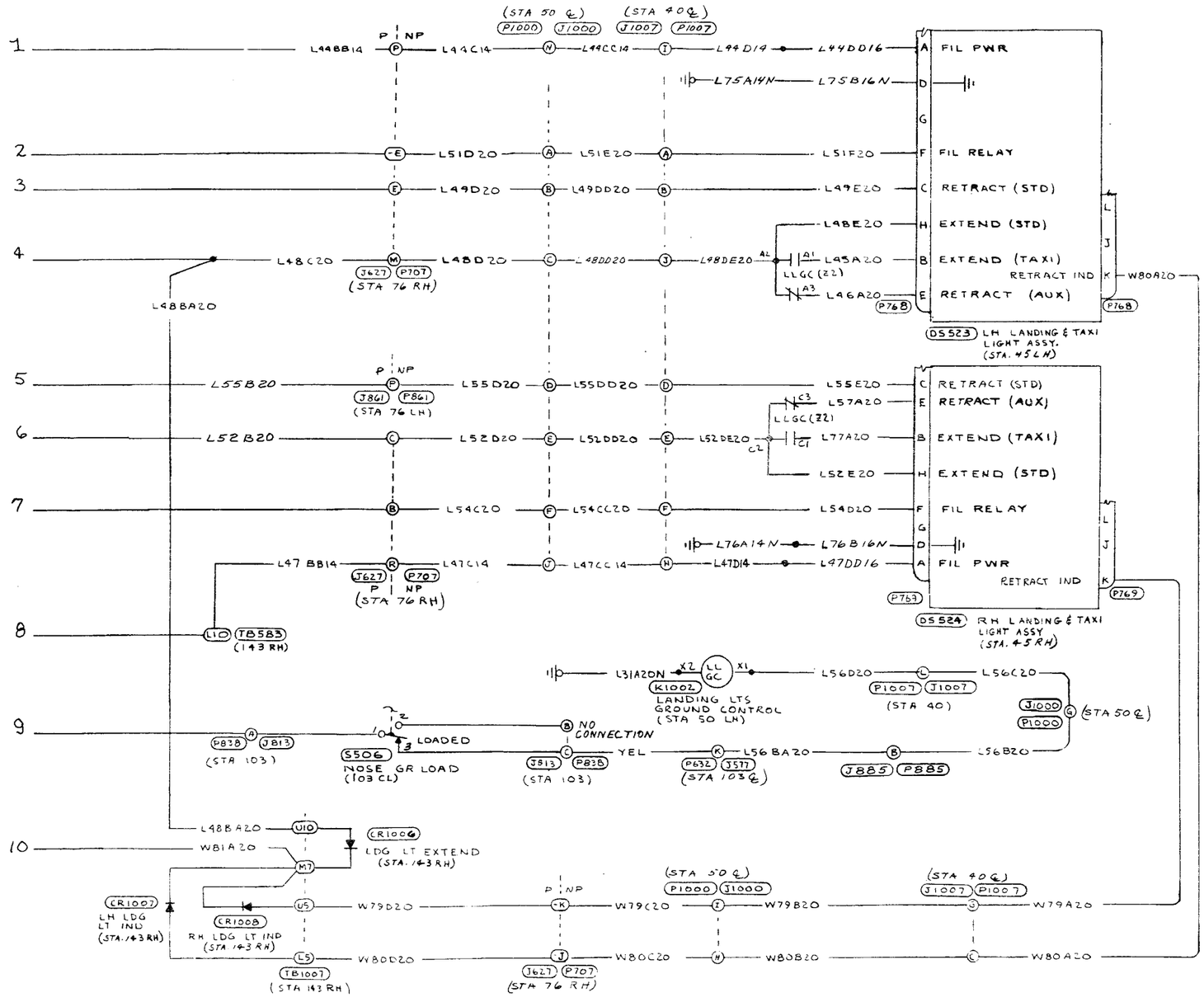

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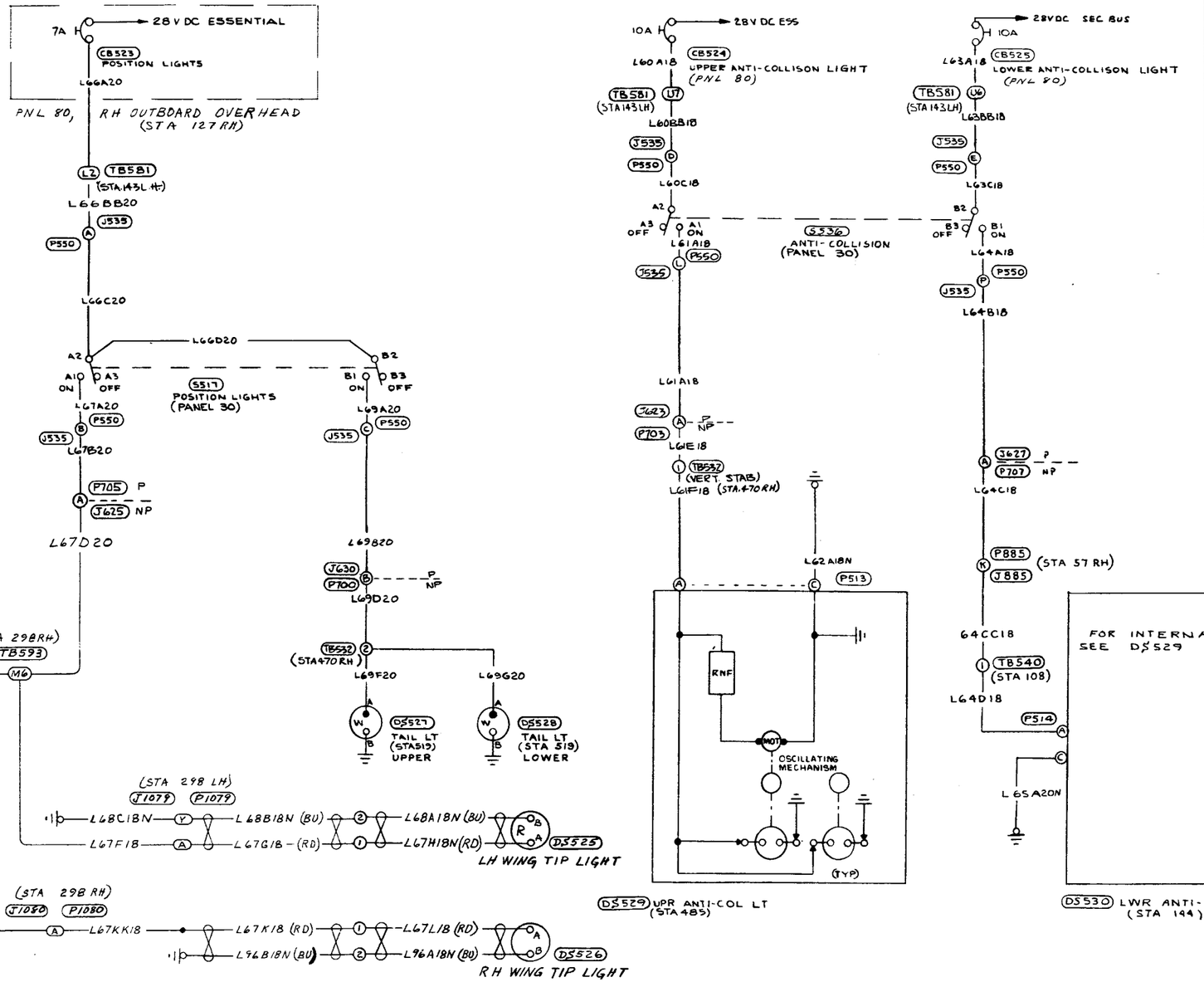

SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	**DESCRIPTION**	**LOCATION**
PANEL 30	EXTERIOR LIGHTING CONTROL	98 LH
PANEL 80	RH OUTBOARD OVERHEAD	127 RH
P550	PLUG-PANEL 30 disc (J535)	90 LH
P700	PLUG-FUS STA 333 PRESS BHD (J630)	333 AFT
P703	PLUG-FUS STA 333 PRESS BHD (J623)	333 LH
P705	PLUG-FUS STA 206 WING DISC (J625)	206 OUTBD
P707	PLUG-FUS STA 76 RH (J627)	76 FWD
H503	GLAND, VAPOR SEAL	STA S2 RH

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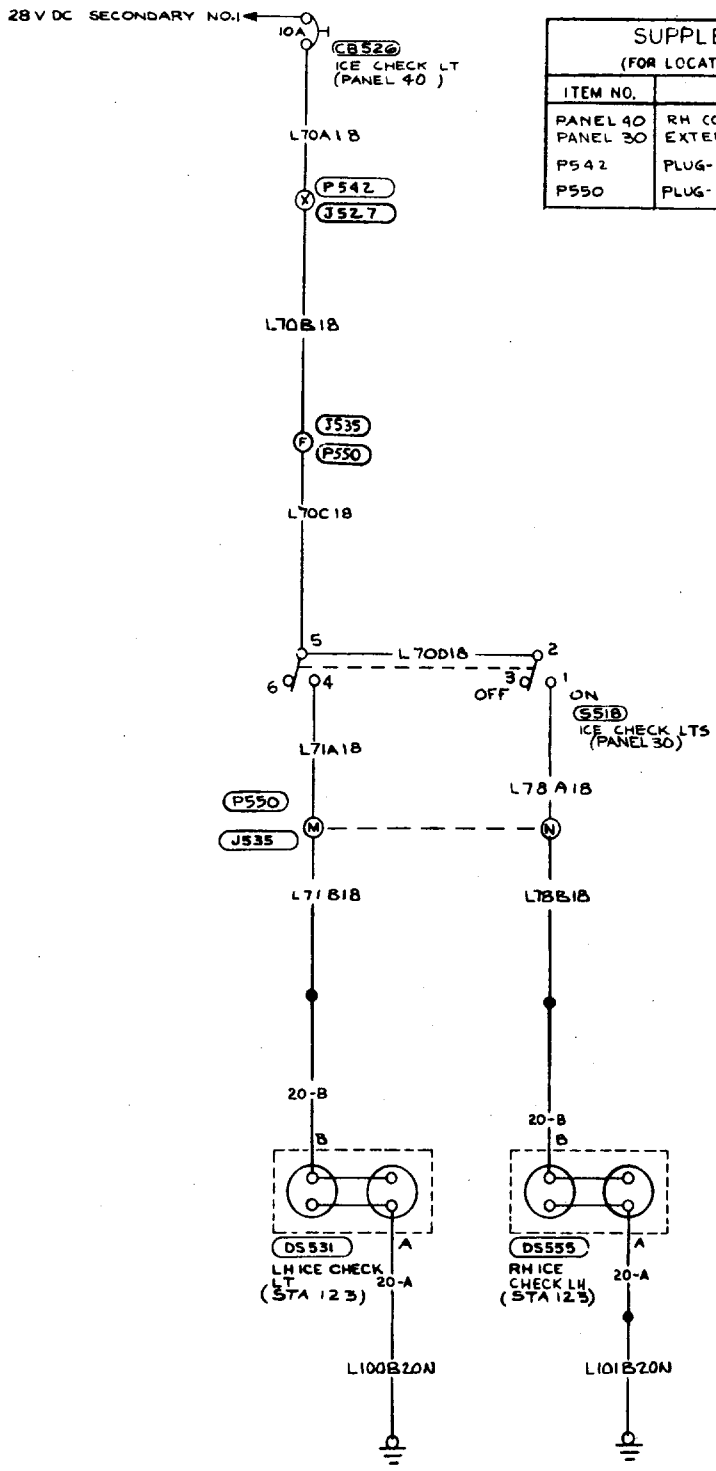

SUPPLEMENTARY LOCATION LIST
(FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)

ITEM NO.	DESCRIPTION	LOCATION
PANEL 40	RH CONSOLE CIRCUIT-BREAKER PNL	125 RH
PANEL 30	EXTERIOR LTG CONT PNL	98 LH
P542	PLUG- PANEL 40 DISC (J527)	125 RH
P550	PLUG- PANEL 30 DISC (J535)	90 LH

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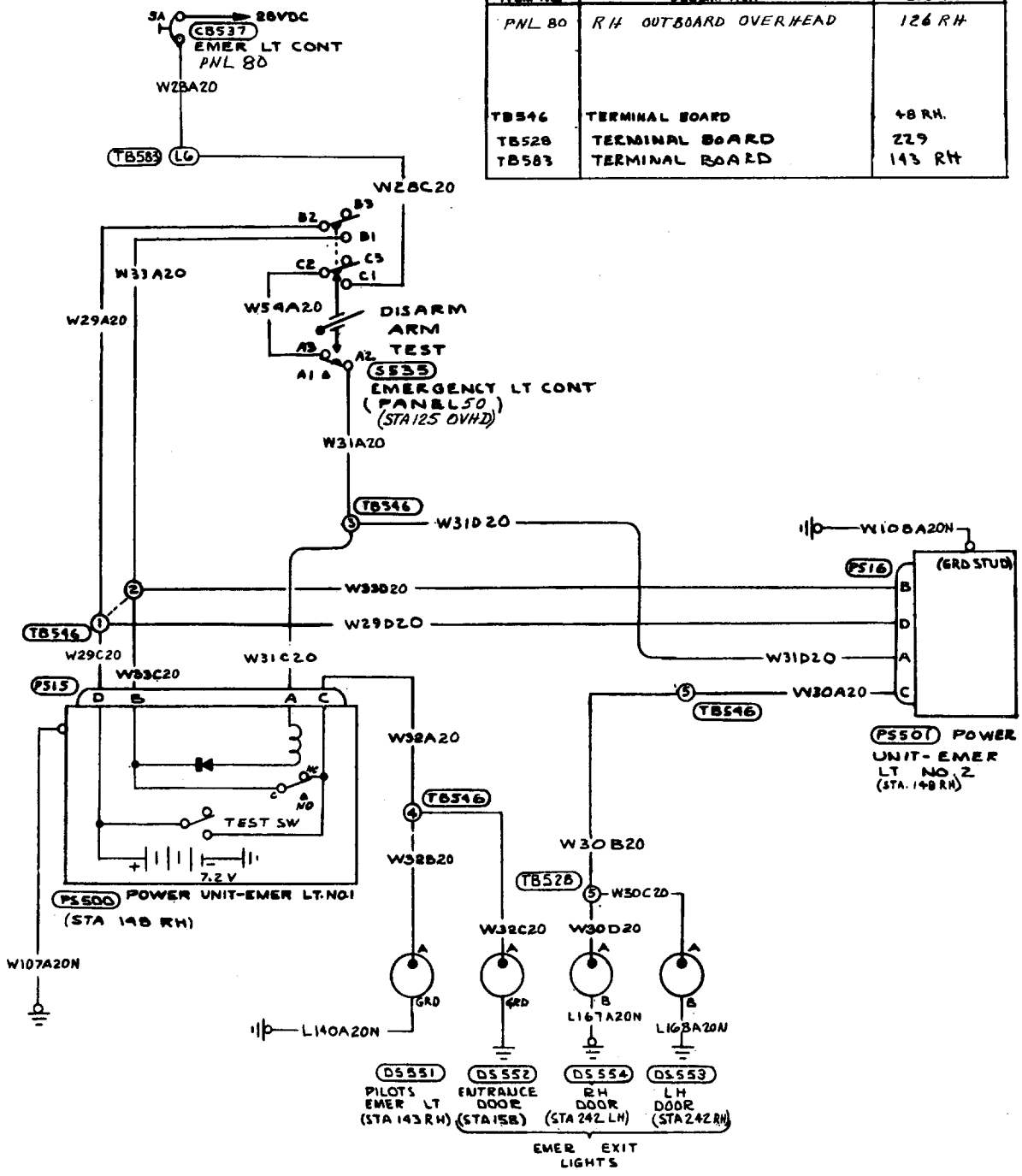
SUPPLEMENTARY LOCATION LIST (FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)		
ITEM NO.	DESCRIPTION	LOCATION
PNL 80	RH OUTBOARD OVERHEAD	126 RH
TB546	TERMINAL BOARD	48 RH.
TB528	TERMINAL BOARD	229
TB583	TERMINAL BOARD	143 RH



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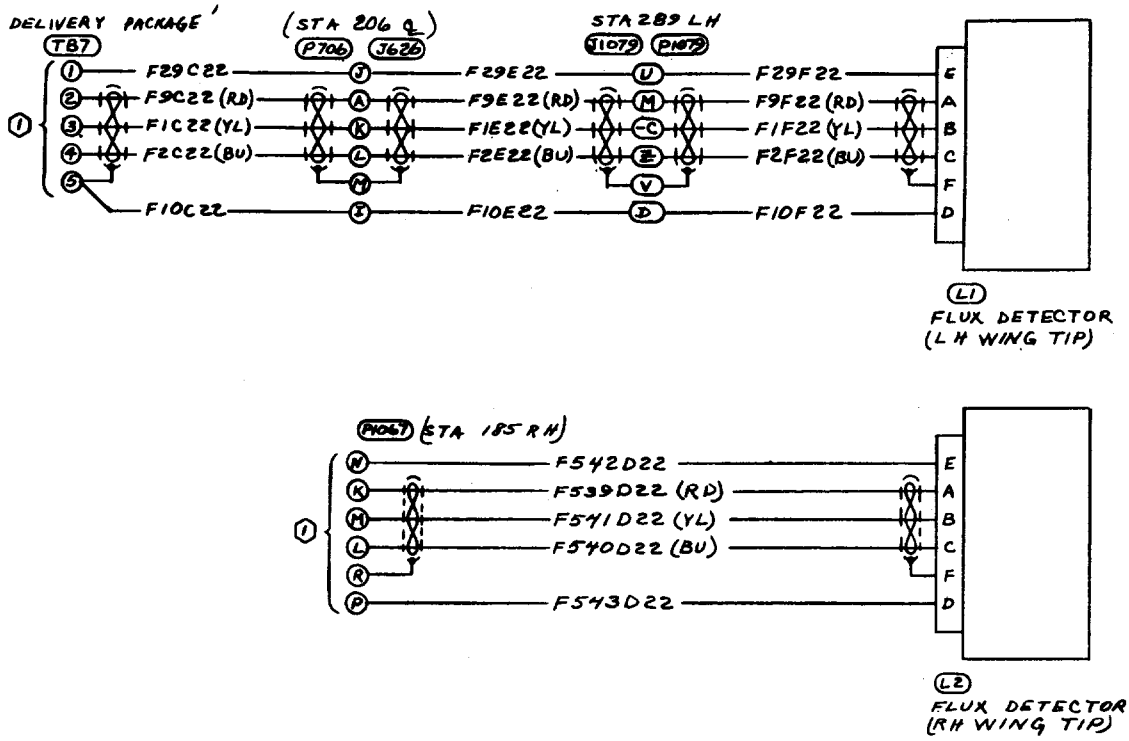
CHAPTER

34

NAVIGATION



NOTES:
1. (1) DENOTES PICK UP POINT FOR MAGNETIC COMPASS SYSTEM

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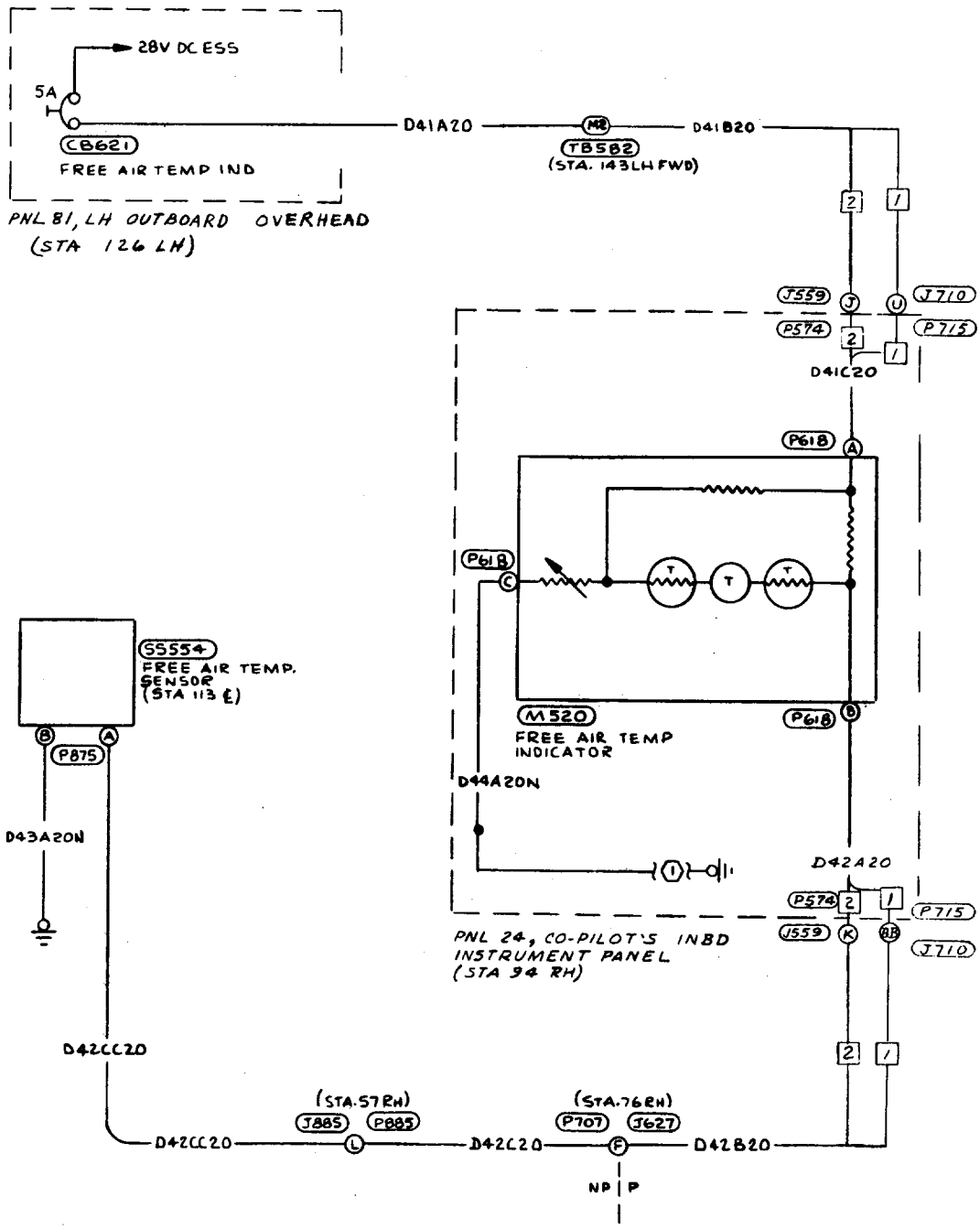

① 1. FOR DETAIL GRD SEE D18.1; STANDBY COMPASS, PEDESTAL & OVERHEAD INDIRECT LTS SYSTEM

NOTES

2	370-8 & SUBS		
1	370-1	370-7	
	SHIP	THRU	BLOCK
EFFECTIVE ON			

FREE AIR TEMPERATURE INDICATING SYSTEM
NA265-70, 370-1 and Subs

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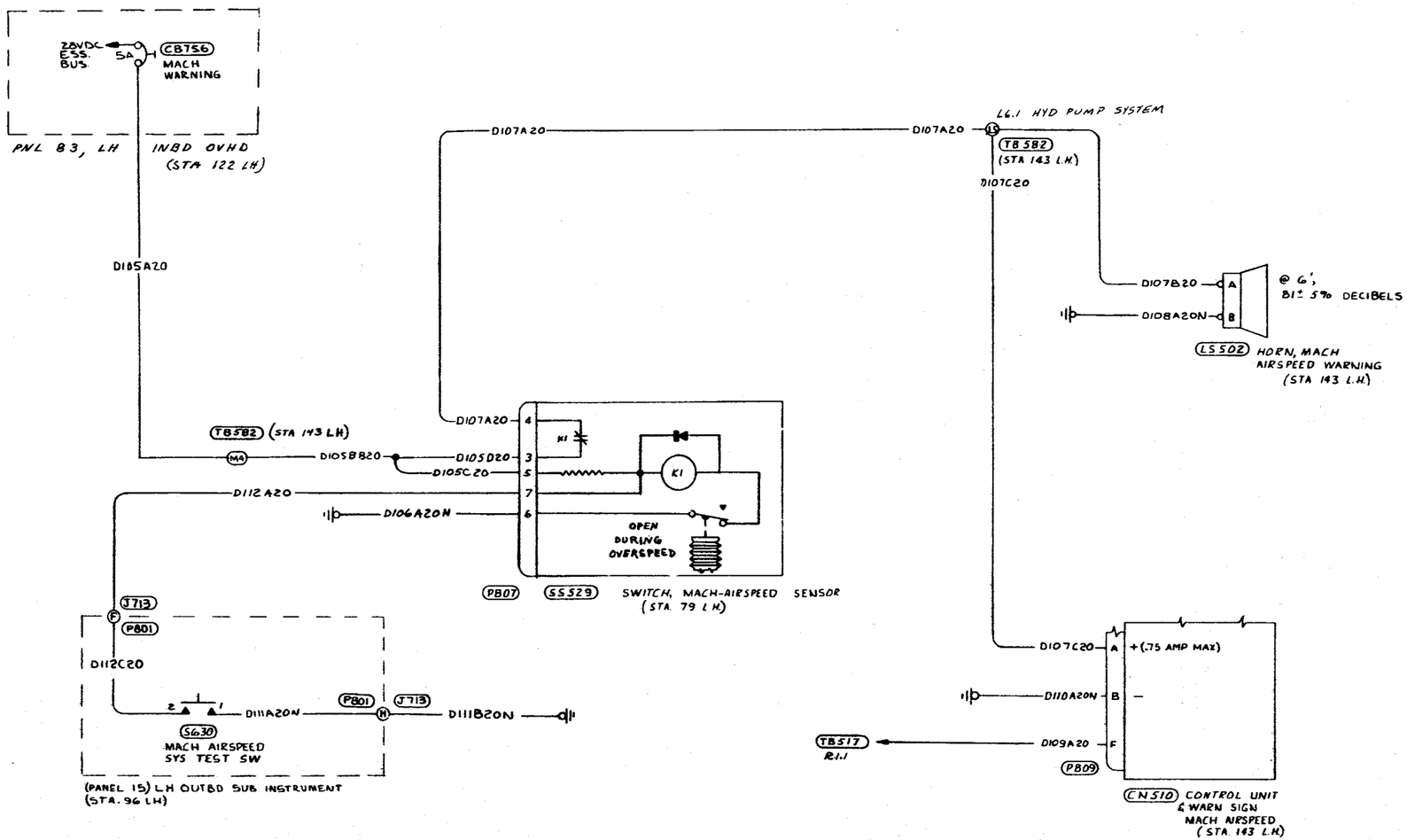

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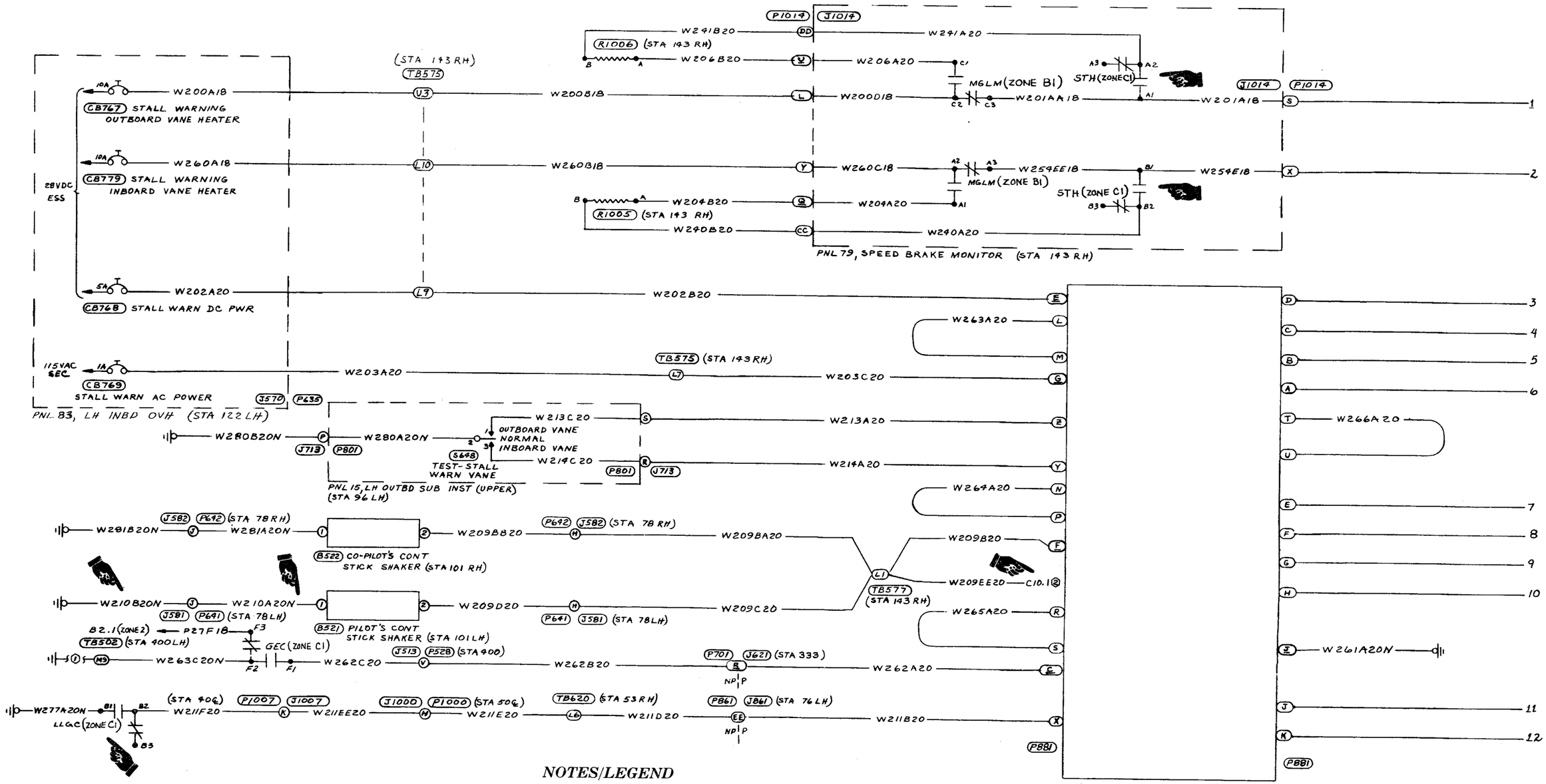
P1019 J1014
W241B20 DD W241A20
R1006 (STA 143 RH)
W206B20 V W206A20
MGLM (ZONE B1)
STH (ZONE C1)
J1014 P1014
W200A18 10A CB767 STALL WARNING OUTBOARD VANE HEATER
(STA 143 RH) TB575
U3 W200B18 L W200D18 W201AA18 W201A18 S 1
W260A18 10A CB779 STALL WARNING INBOARD VANE HEATER
L10 W260B18 Y W260C18 W259EE18 W259E18 X 2
28VDC ESS
W204B20 Q W204A20
R1005 (STA 143 RH)
W240B20 CC W240A20
PNL 79, SPEED BRAKE MONITOR (STA 143 RH)
W202A20 5A CB768 STALL WARN DC PWR
L9 W202B20 E 3
W263A20 L M
115VAC SEC 1A CB769 STALL WARN AC POWER
TB575 (STA 143 RH)
W203A20 L7 W203C20 G 4
J570 P635
PNL 83, LH INBD OVH (STA 122 LH)
W213C20 S W213A20 Z 5
W280B20N P J713 P801 W280A20N
OUTBOARD VANE
NORMAL
INBOARD VANE
S648 TEST-STALL WARN VANE
W214C20 R P801 J713 W214A20 Y 6
PNL 15, LH OUTBD SUB INST (UPPER) (STA 96 LH)
W264A20 N P
J582 P692 (STA 78 RH)
W281B20N J W281A20N 1 2 W209BB20 P692 J582 (STA 78 RM) M W209BA20
W209B20 F 7
B522 CO-PILOT'S CONT STICK SHAKER (STA 101 RH)
L1 W209EE20 C10.1 2
TB577 (STA 143 RH)
W210B20N J W210A20N 1 2 W209D20 P641 J581 (STA 78 LH) M W209C20
W265A20 R S 8
J581 P641 (STA 78 LH)
B521 PILOT'S CONT STICK SHAKER (STA 101 LH)
B2.1 (ZONE Z) P27F18 F3 TB502 (STA 400 LH)
GEC (ZONE C1)
W263C20 M5 F2 F1 W262C20 J513 P528 (STA 400) V W262B20 P701 J621 (STA 333) S NP P W262A20 C 9
W261A20N 10
W277A20N B1 B2 B3 LLGC (ZONE C1)
(STA 406) P1007 J1007 W211F20 K J1000 P1000 (STA 506) W211EE20 M W211E20 TB620 (STA 53 RH) L6 W211D20 PB61 JB61 (STA 76 LH) EE NP P W211B20 X 11
P881
J 11
K 12
P881
CM502 COMPUTER—STALL WARNING SUMMING UNIT (STA 194 RH)

NOTES/LEGEND

1. B7.1 ELECTRICAL GROUND SYSTEM
2. C10.1 ENGINE IGNITION SYSTEM
3. D20.1 LANDING AND TAXI LIGHT SYSTEM
4. E2.1 LANDING GEAR POSITION INDICATING AND WARNING SYSTEM
5. G6.1 PITOT HEAT SYSTEM

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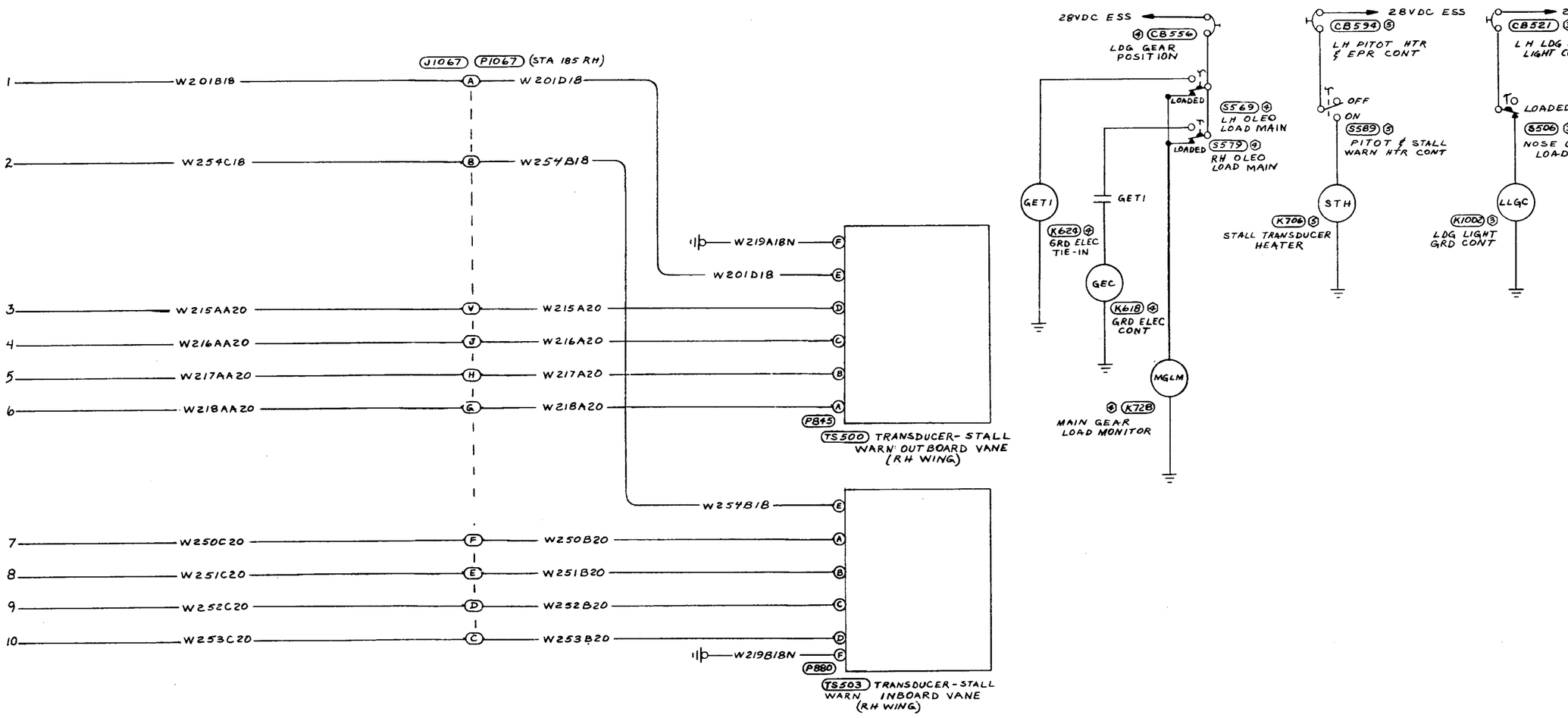

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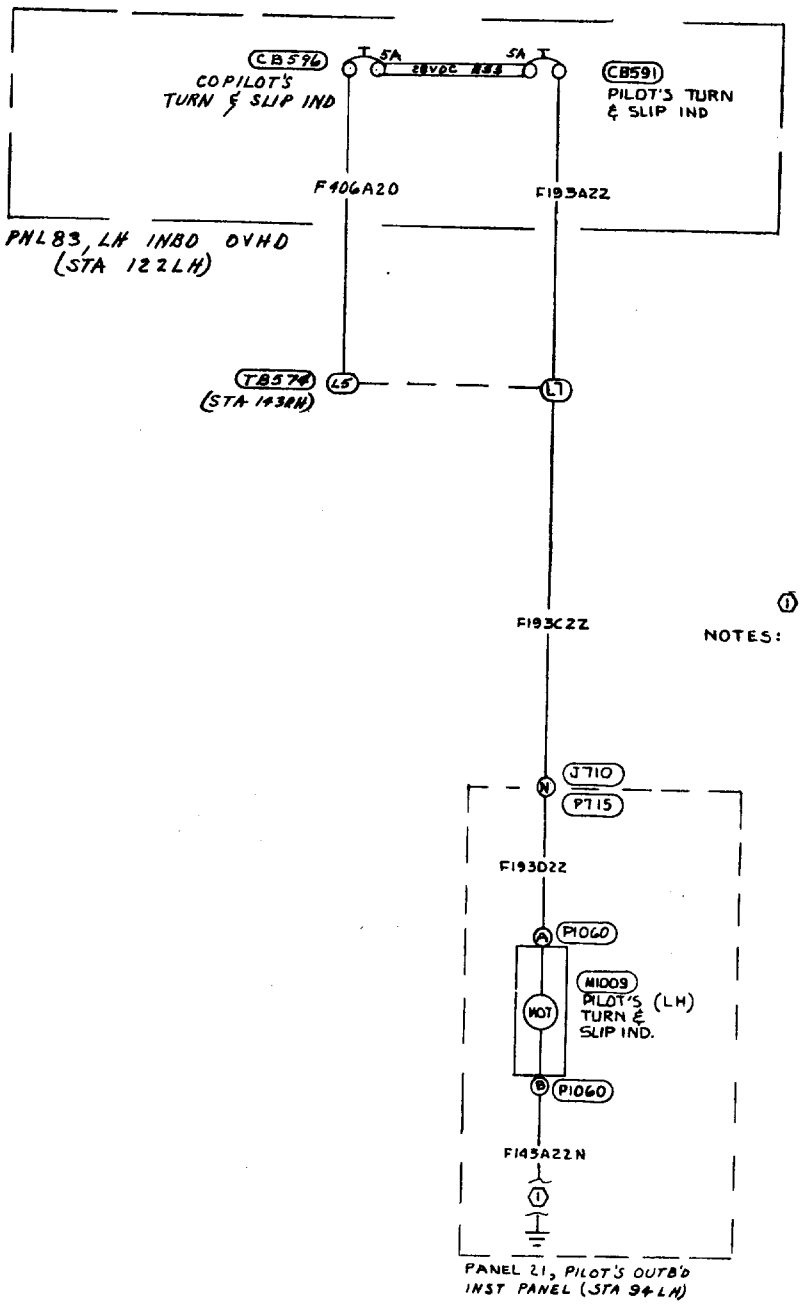

NOTES: ① 1. FOR DETAIL GRD SEE: D17, ENGINE, RADIO, AND INSTRUMENT INDIRECT LIGHTS SYSTEM.

TURN AND SLIP INDICATORS (PILOT'S AND CO-PILOT'S)
NA-265-70, 370-1 and Subs

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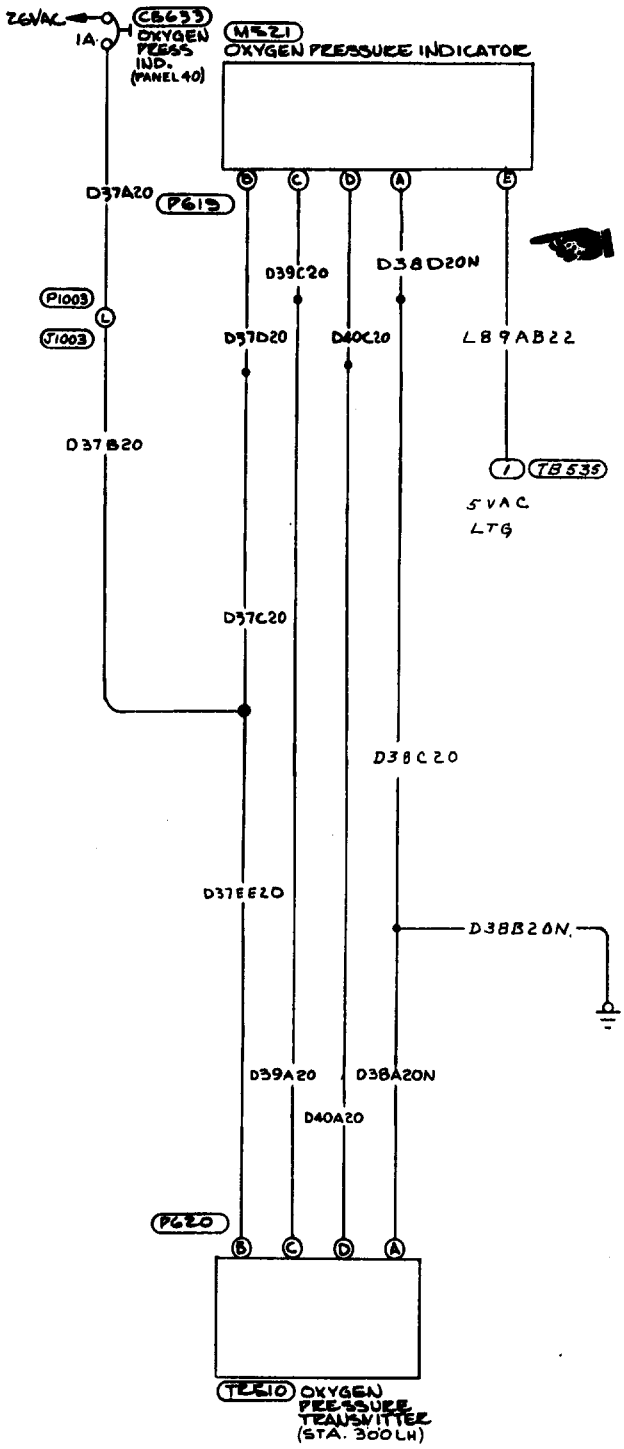
CHAPTER 35

OXYGEN



SUPPLEMENTARY LOCATION LIST
(FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)

ITEM NO.	DESCRIPTION	LOCATION
		94 LH
PANEL 40	RH CONSOLE CIRCUIT BREAKER	125 RH
P508	PLUG PANEL 21 DISC (J502)	94 LH
P1003	PLUG-PNL 40 DISC (J1003)	120 RH

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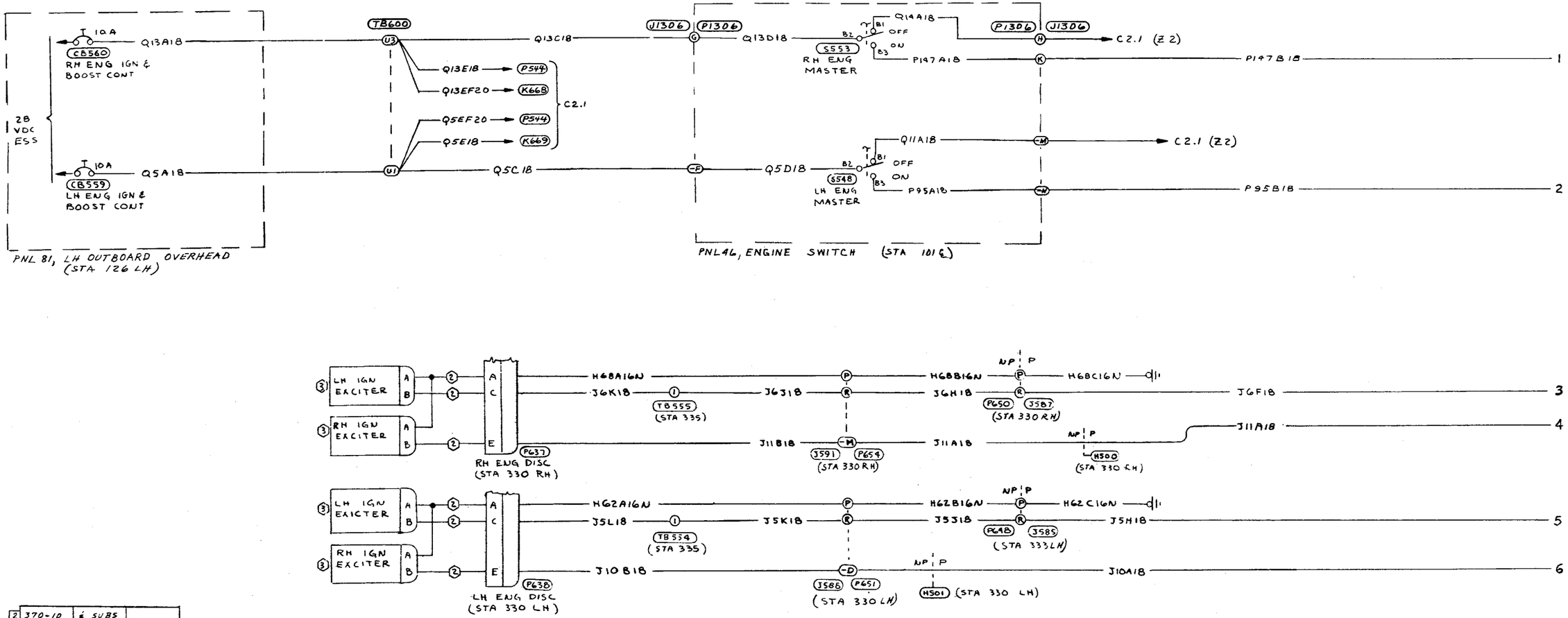
CHAPTER 74

IGNITION



2	370-10	# SUBS	
1	370-1	370-9	
	SHIP	THRU	BLOCK
	EFFECTIVE ON		

③4. ITEMS FURNISHED WITH ENGINE
②3. DENOTES ENGINE HARNESS
①2. FOR OPERATION OF RELAY CONTACTS SEE: C9.1 ENGINE STARTING SYSTEM

C9.1 ENGINE STARTING SYSTEM
L7.1 STALL WARNING SYSTEM
C2.1 FUEL BOOST SYSTEM
1. SEE APPLICABLE EFFECTIVITY OF SYSTEMS LISTED ABOVE

NOTES:

ENGINE IGNITION SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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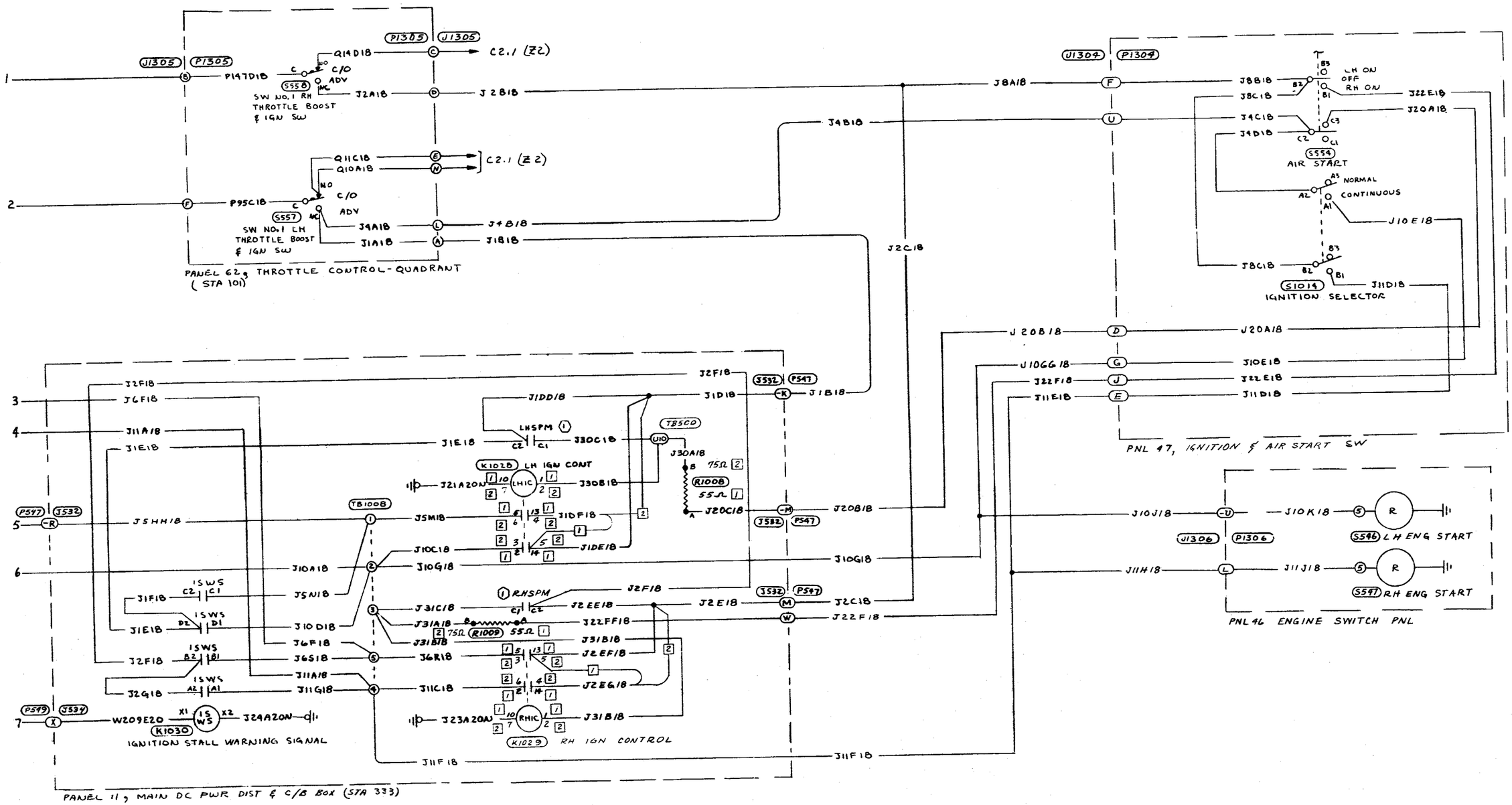

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CHAPTER

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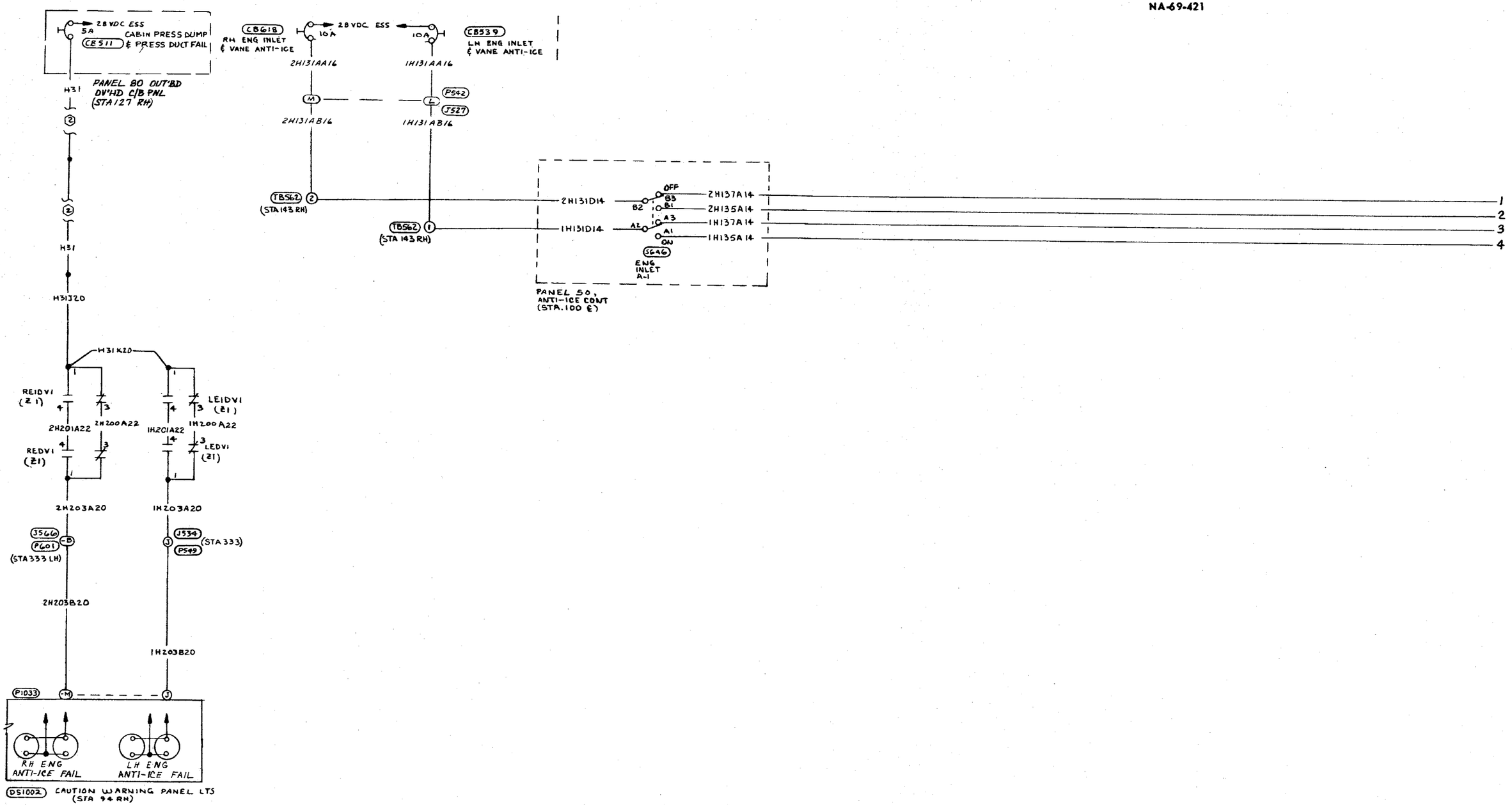
AIR



(2)3 FOR DETAIL CIRCUIT: SEE F1.1

F1.1 CABIN PRESSURE AND TEMP CONTROL SYSTEM
B7.1 ELECTRICAL GROUND SYSTEM
2. *SEE SYSTEMS LISTED ABOVE.*
(1) 1. FOR GROUND CIRCUIT SEE B7.1

NOTES:

ENGINE INLET GUIDE VANE ANTI-ICE SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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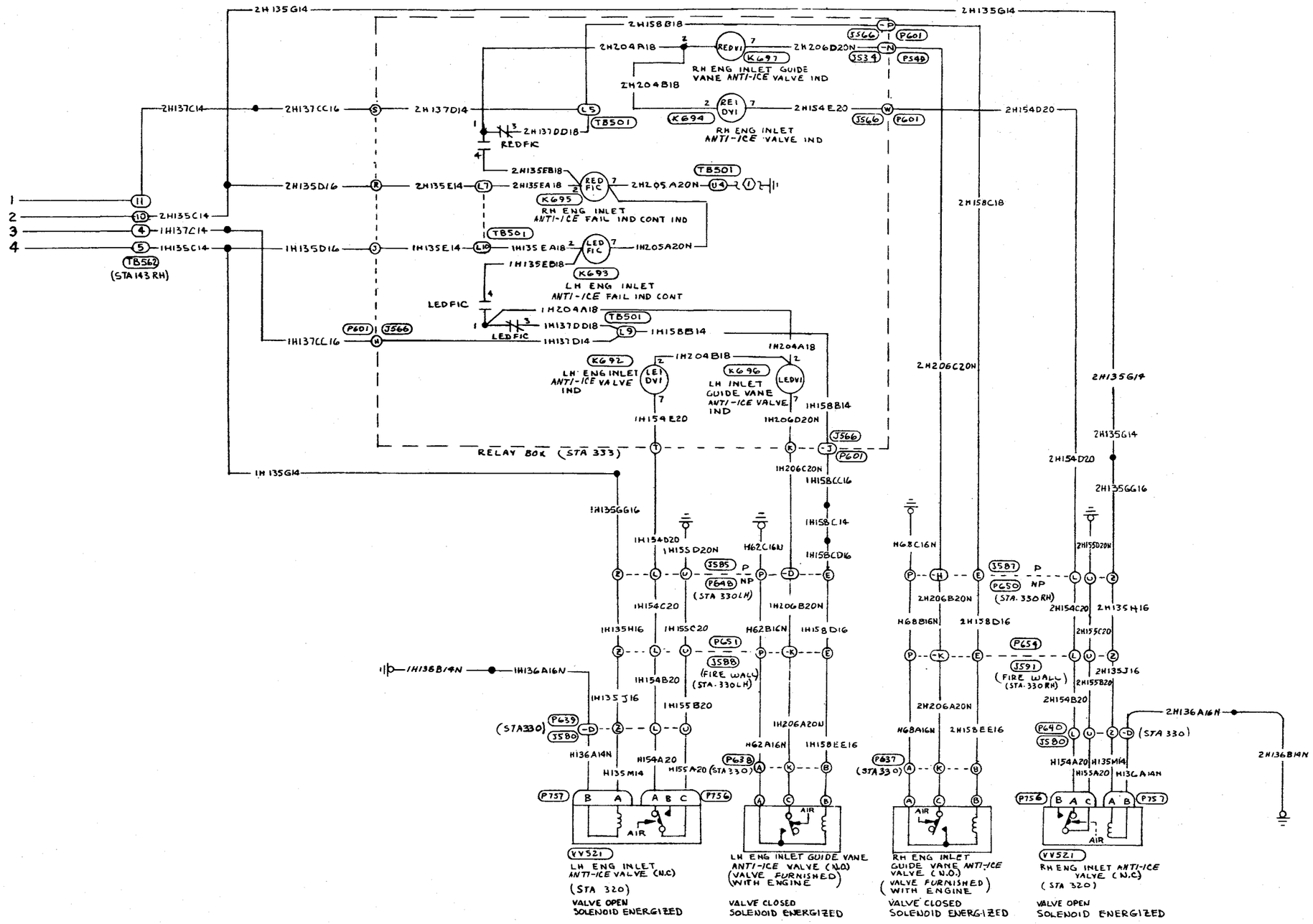

ENGINE INLET GUIDE VANE ANTI-ICE SYSTEM
NA265-70, 370-1 and Subs
(Sheet 2 of 2)

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CHAPTER

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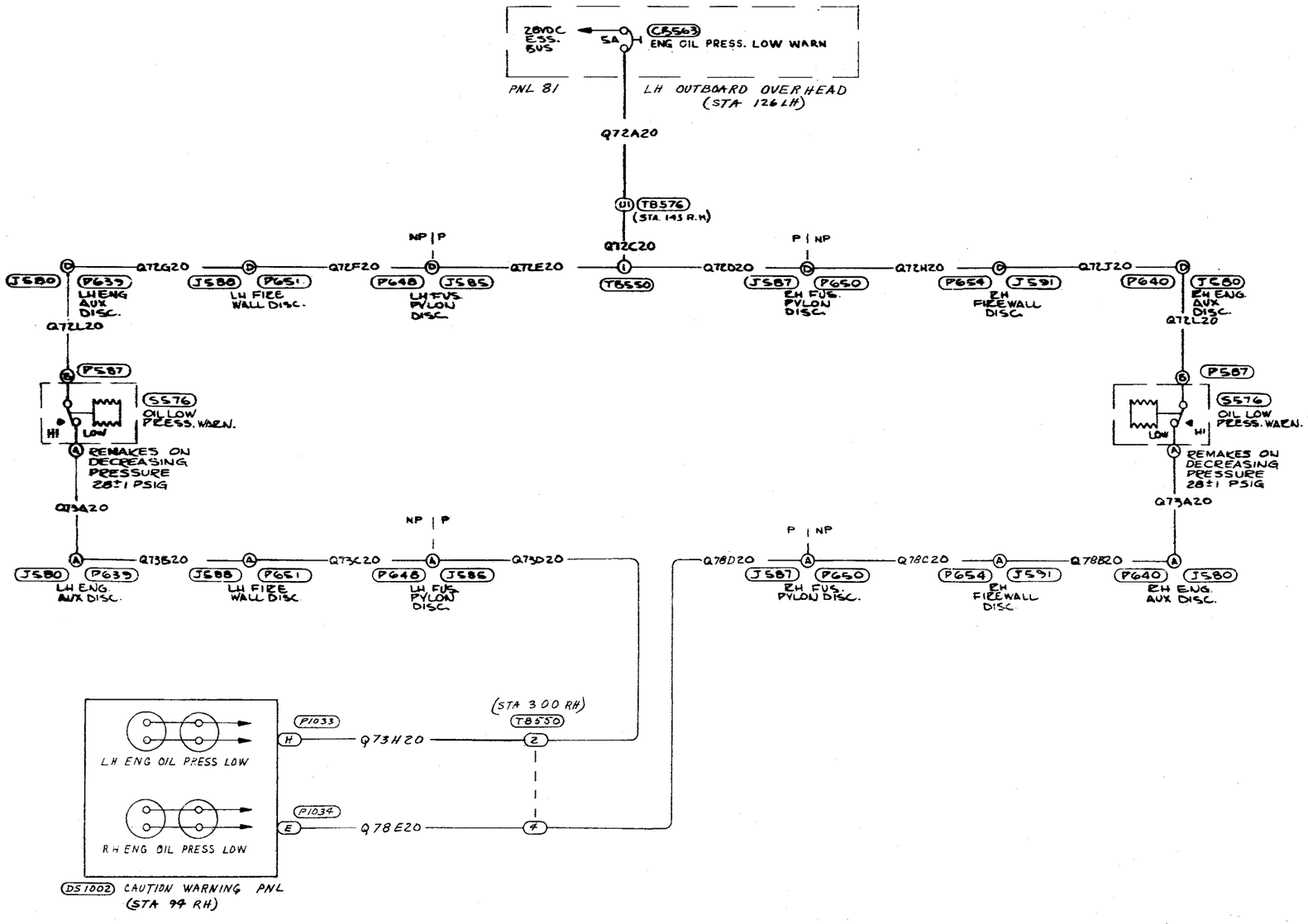
ENGINE INDICATING



SUPPLEMENTARY LOCATION LIST
(FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING)

ITEM NO	DESCRIPTION	LOCATION
P639	PLUG-LH ENG AUX DISC (J580)	330 LH
P640	PLUG-RH ENG AUX DISC (J580)	330 RH
P648	PLUG-LH FUS PYLON (J858)	330 LH
P650	PLUG-RH FUS PYLON (J587)	330 RH
P651	PLUG-LH NAC FIRE WALL (J588)	330 LH
P654	PLUG-RH NAC FIREWALL (J591)	330 RH
P587	PLUG-OIL LOW PRESS. WARNING	335 RH & LH ENGINE
S576	SW-OIL LOW PRESS WARNING	335 RH & LH
TB550	TERM BD	300 RH

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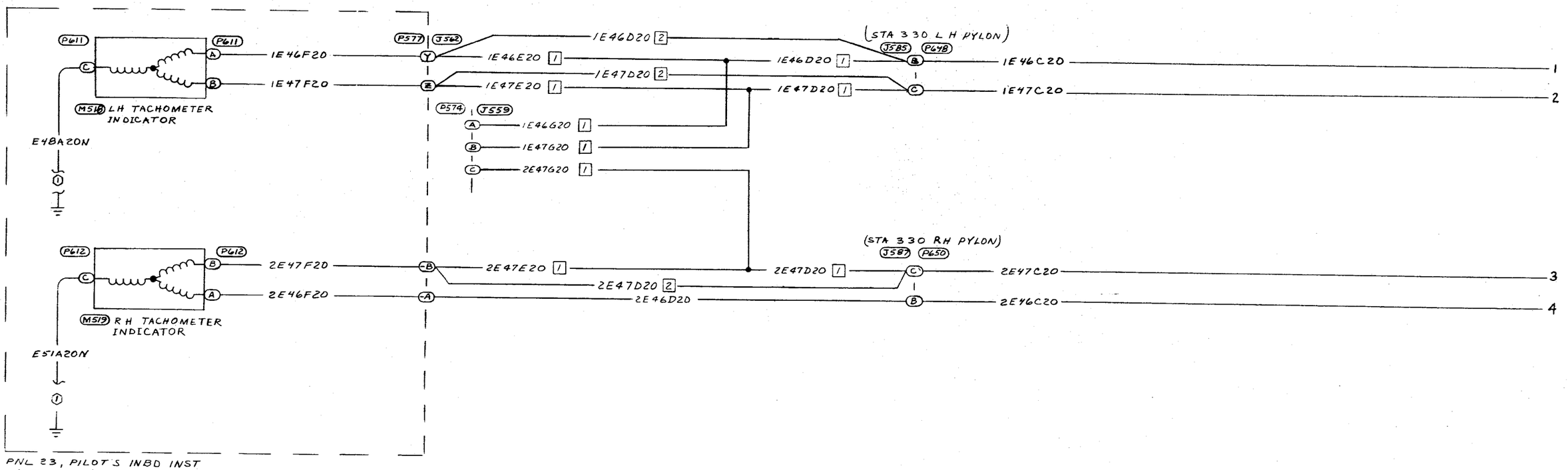

2	370-1	370-7	
1	370-8	& SUBS	
	SHIP	THRU	BLOCK
	EFFECTIVE ON		

TACHOMETER SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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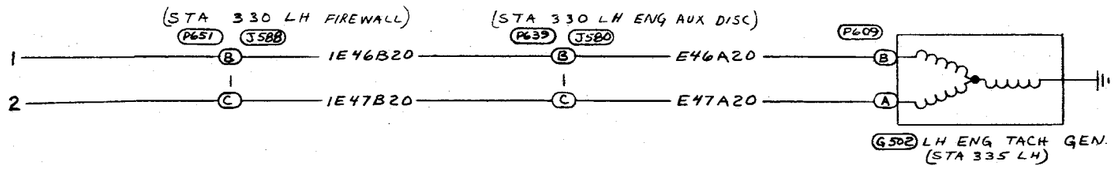

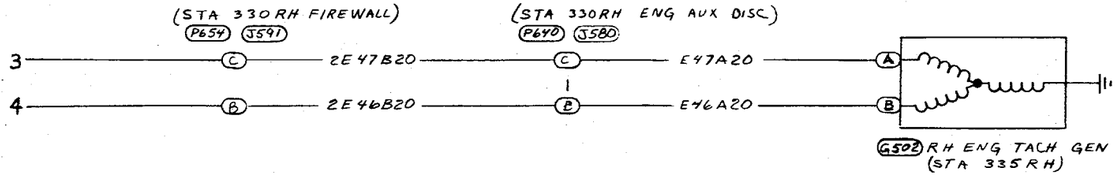

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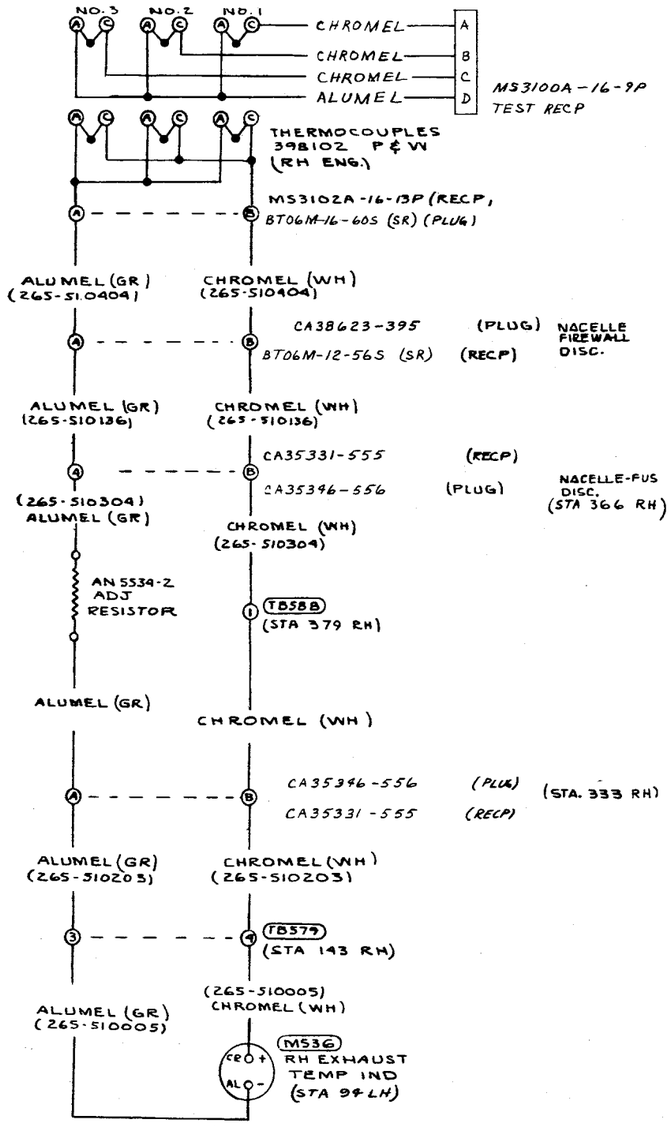

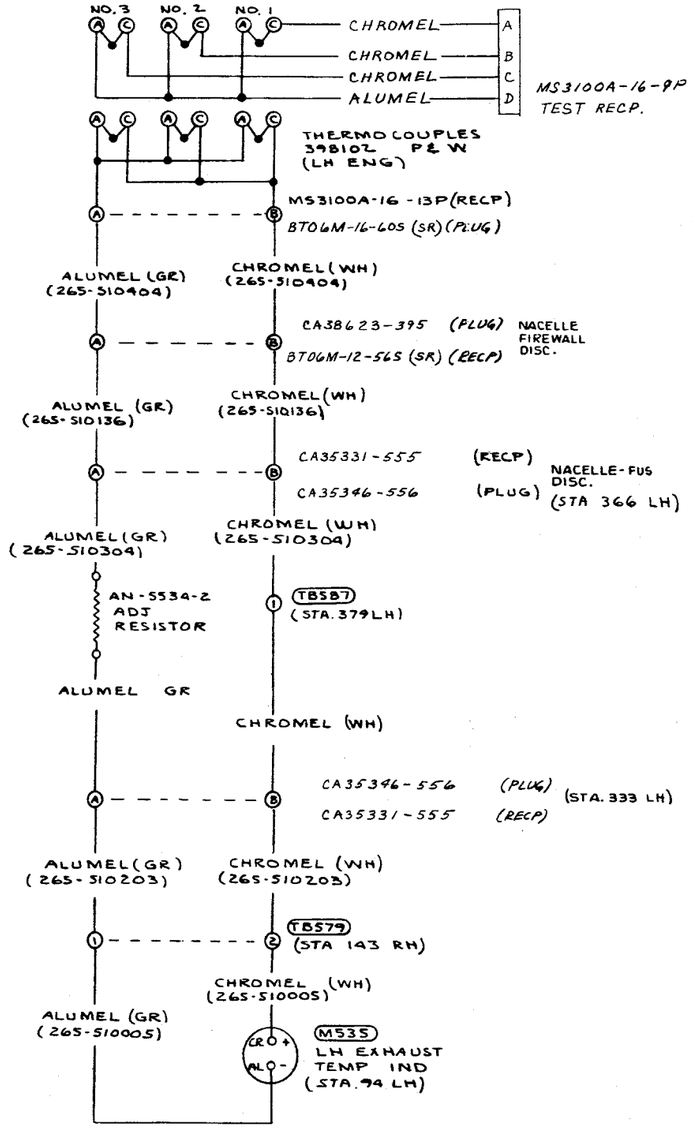

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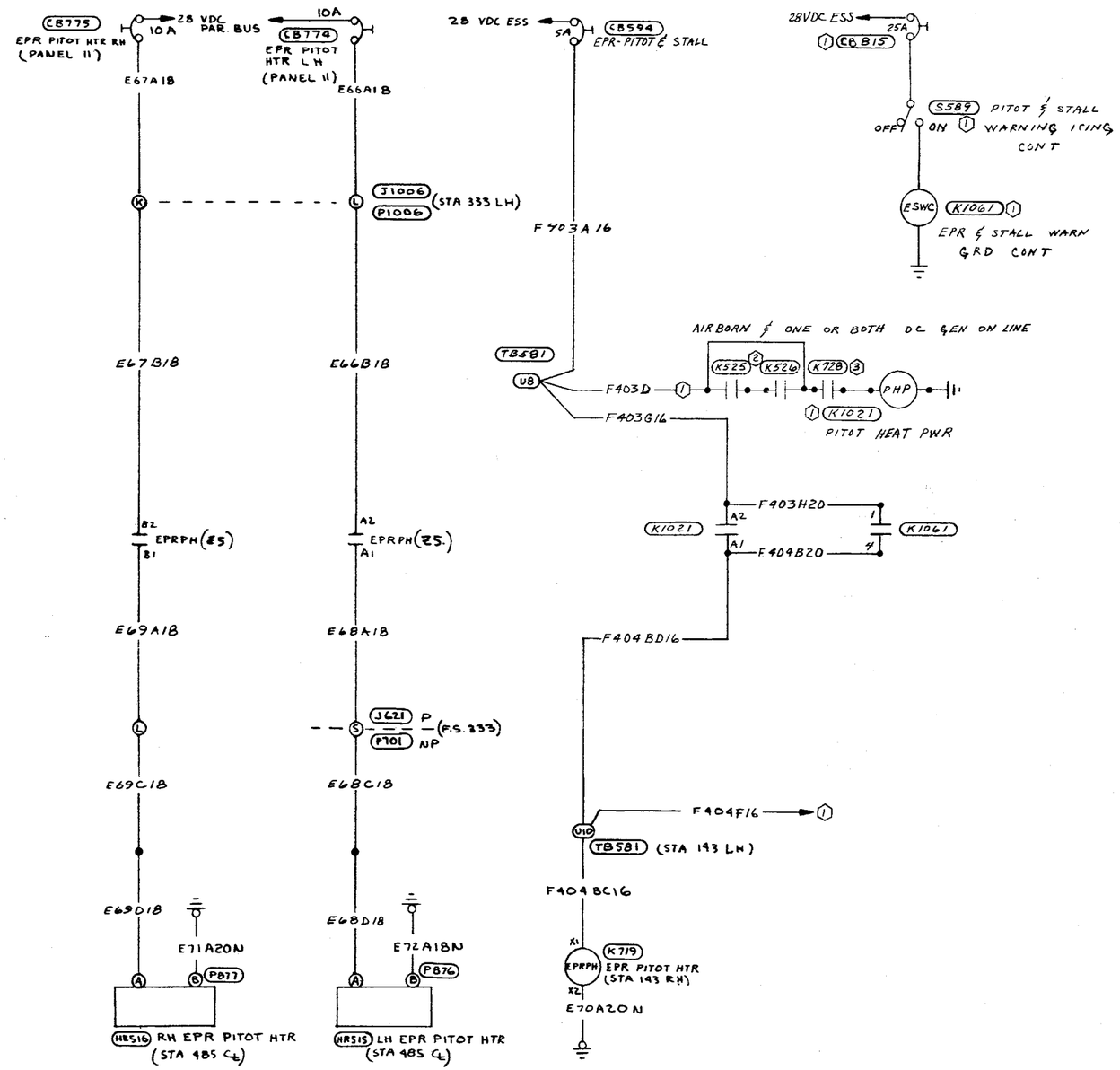
SUPPLEMENTARY LOCATION LIST FOR LOCATIONS NOT SHOWN ON FACE OF DRAWING		
ITEM NO	DESCRIPTION	LOCATION
PANEL 11	MAIN DC PWR DISTRIBUTION Box	333 ℄
PANEL 80	RH OUTBOARD OVERHEAD	127 RH
PANEL 81	LH OUTBOARD OVERHEAD	126 LH
PANEL 50	ANTI-ICE CONTROL OVHD SW PNL	122 ℄

2	370-8 370-2	& SUBS 370-6	
1	370-167		5/B 72-12
	SHIP	THRU	BLOCK
	EFFECTIVE ON		



③ E2.1 (23) LDG POSITION IND & WARN SYSTEM.
② B1.1-1 (23) DC GENERATOR SYSTEM
① G6.1 PITOT HEAT SYSTEM FOR DETAIL SYSTEM

1. SEE APPLICABLE EFFECTIVITY OF SYSEMS ABOVE

NOTES:

ENGINE PRESSURE RATIO SYSTEM
NA265-70, 370-1 and Subs
(Sheet 1 of 2)

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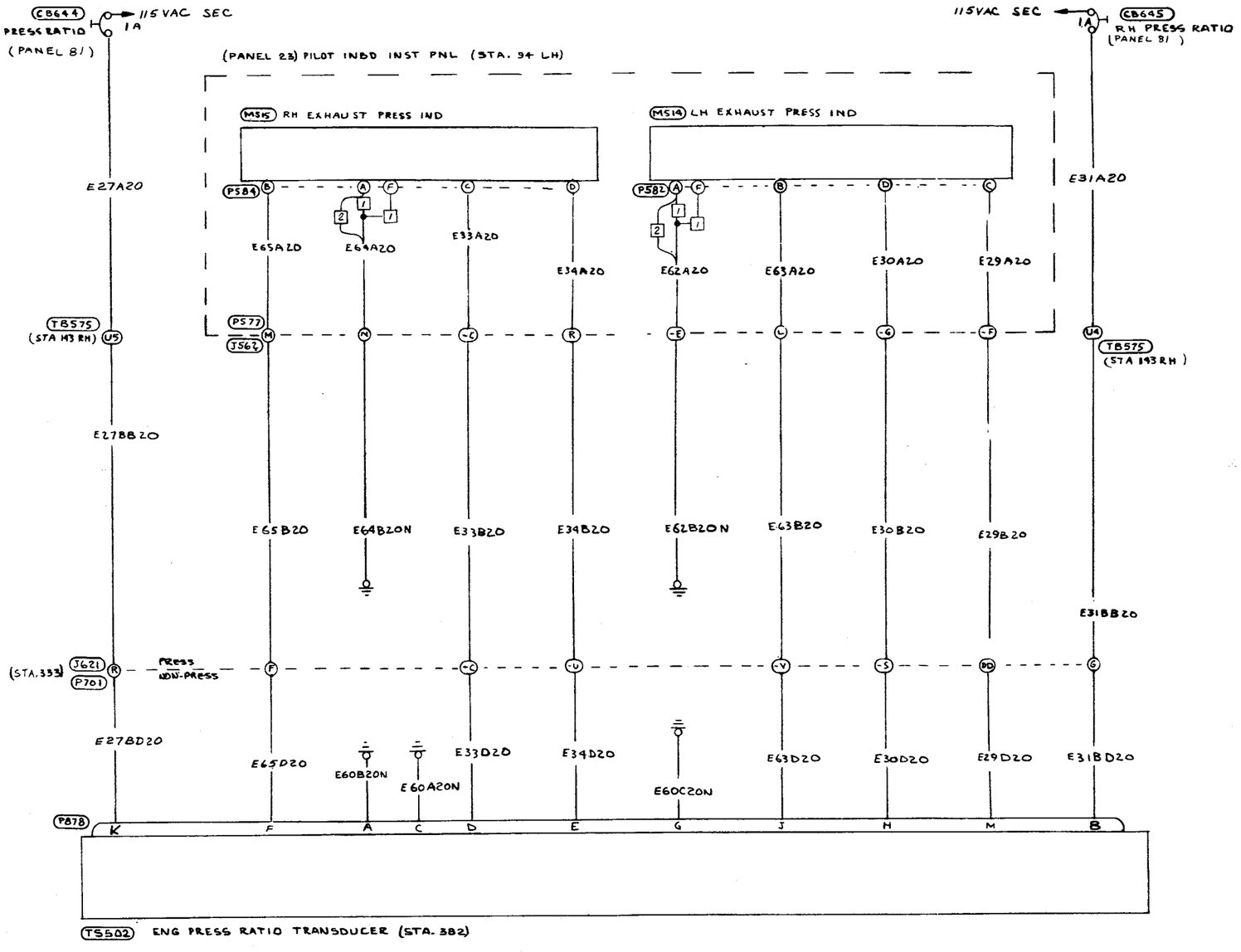

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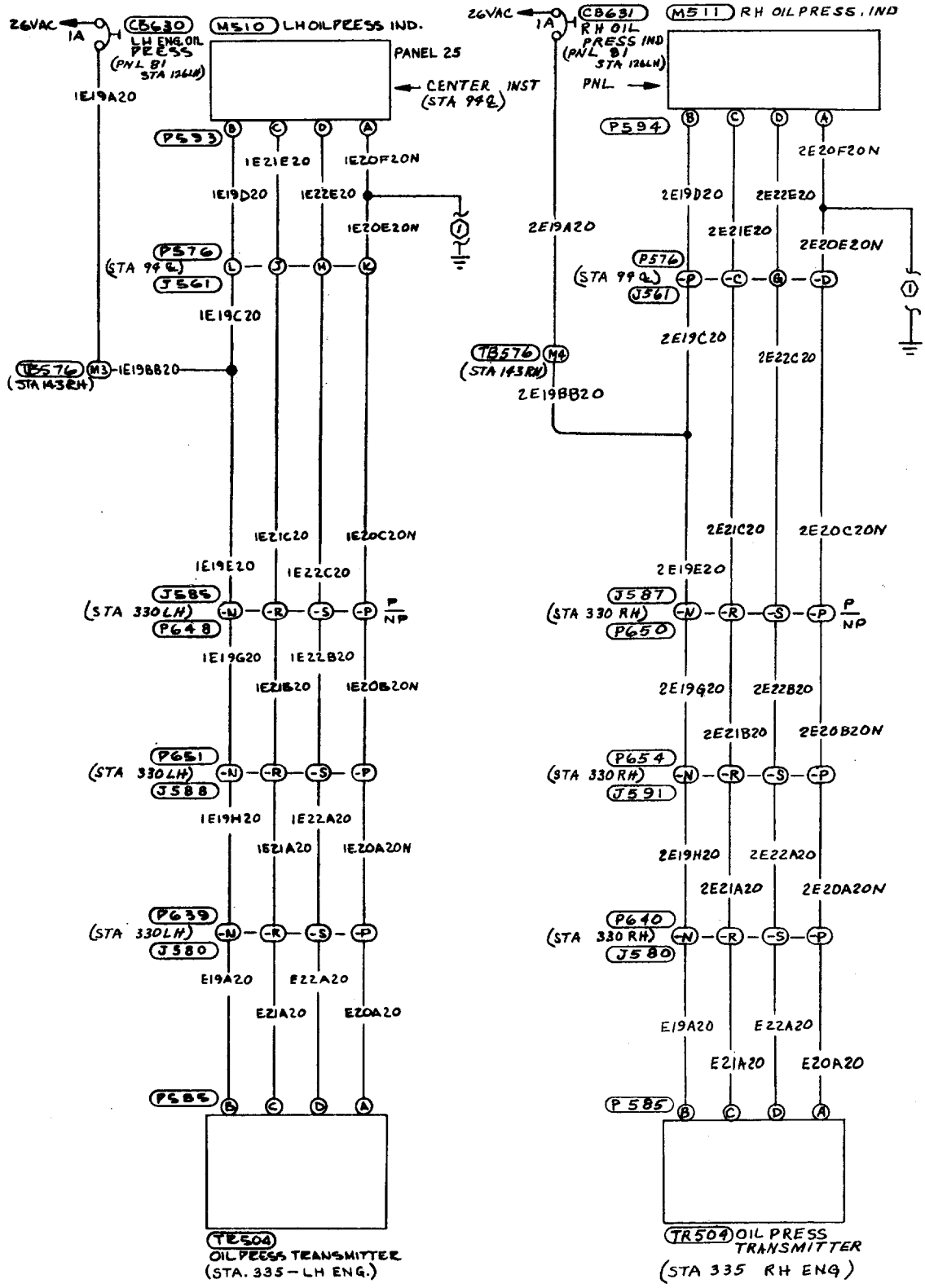

NOTES.
1. ① SEE D17.1 ENG, RADIO & INST INDIRECT LIGHTING

OIL PRESSURE INDICATOR
NA265-70, 370-1 and Subs

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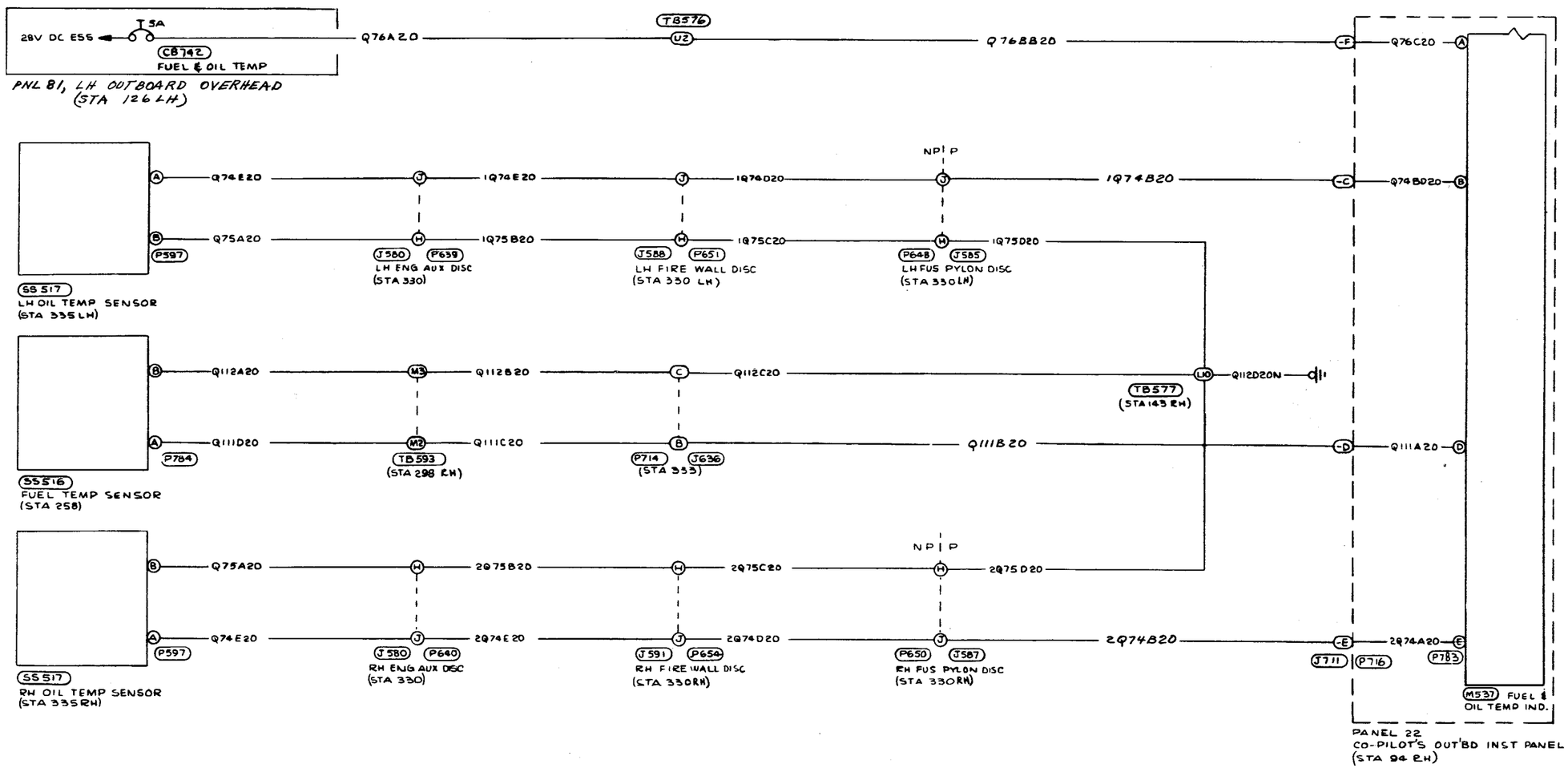

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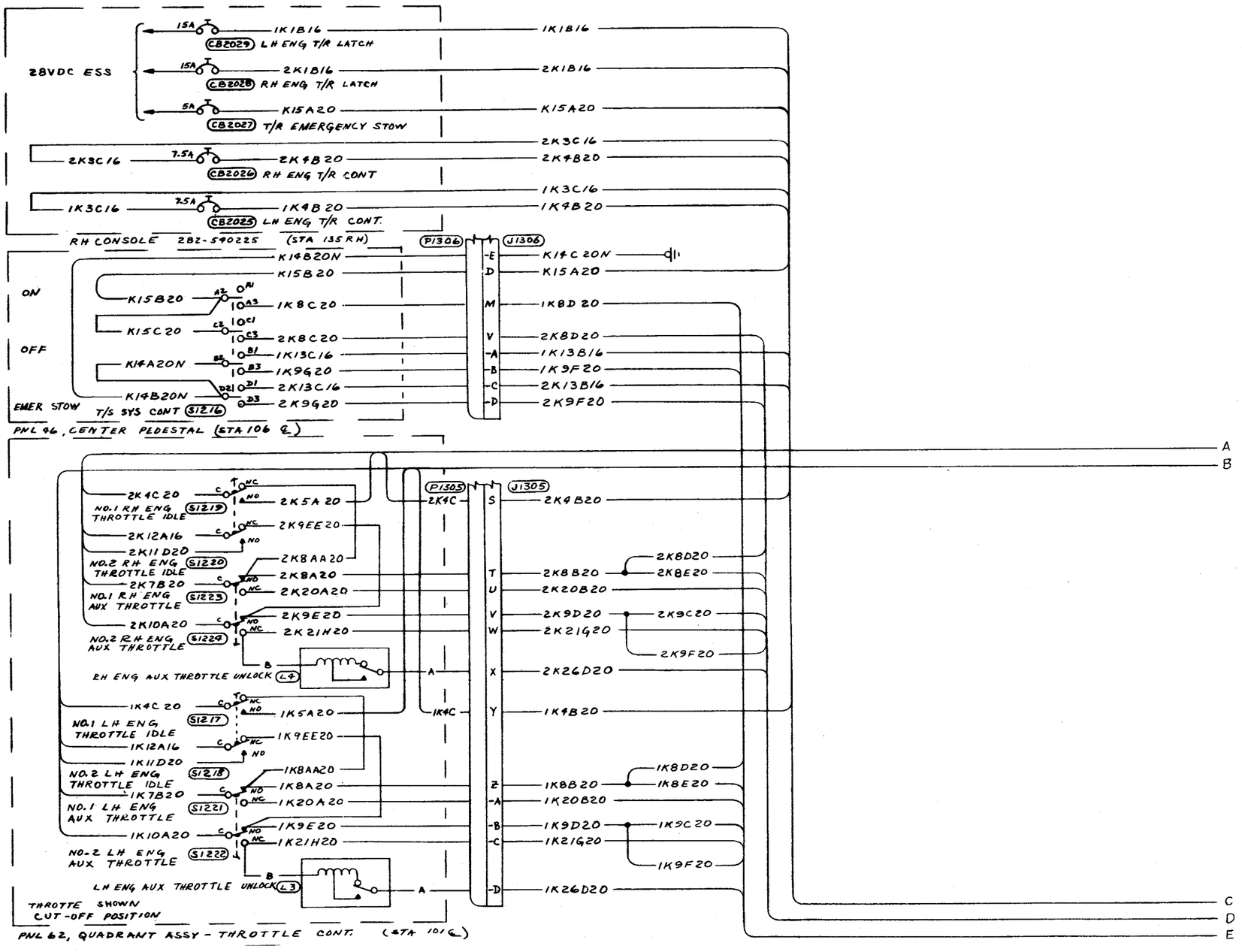
EXHAUST



NOTE:
1. ① FOR DETAIL CIRCUIT SEE J8.1 THRUST REVERSER IND. SYS
2. ② FOR DETAIL CIRCUIT SEE C9.1 ENGINE START SYSTEM.
3. ③ FOR DETAIL CIRCUIT SEE H9.1 ENGINE FIRE EXTINGISHER
4. ④ FOR DETAIL CIRCUIT SEE B7.1 ELECTRICAL GRD SYSTEM
5. ⑤ FOR DETAIL CIRCUIT SEE E2.1 LDG GR POS IND & WARNING

ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 1 of 3)

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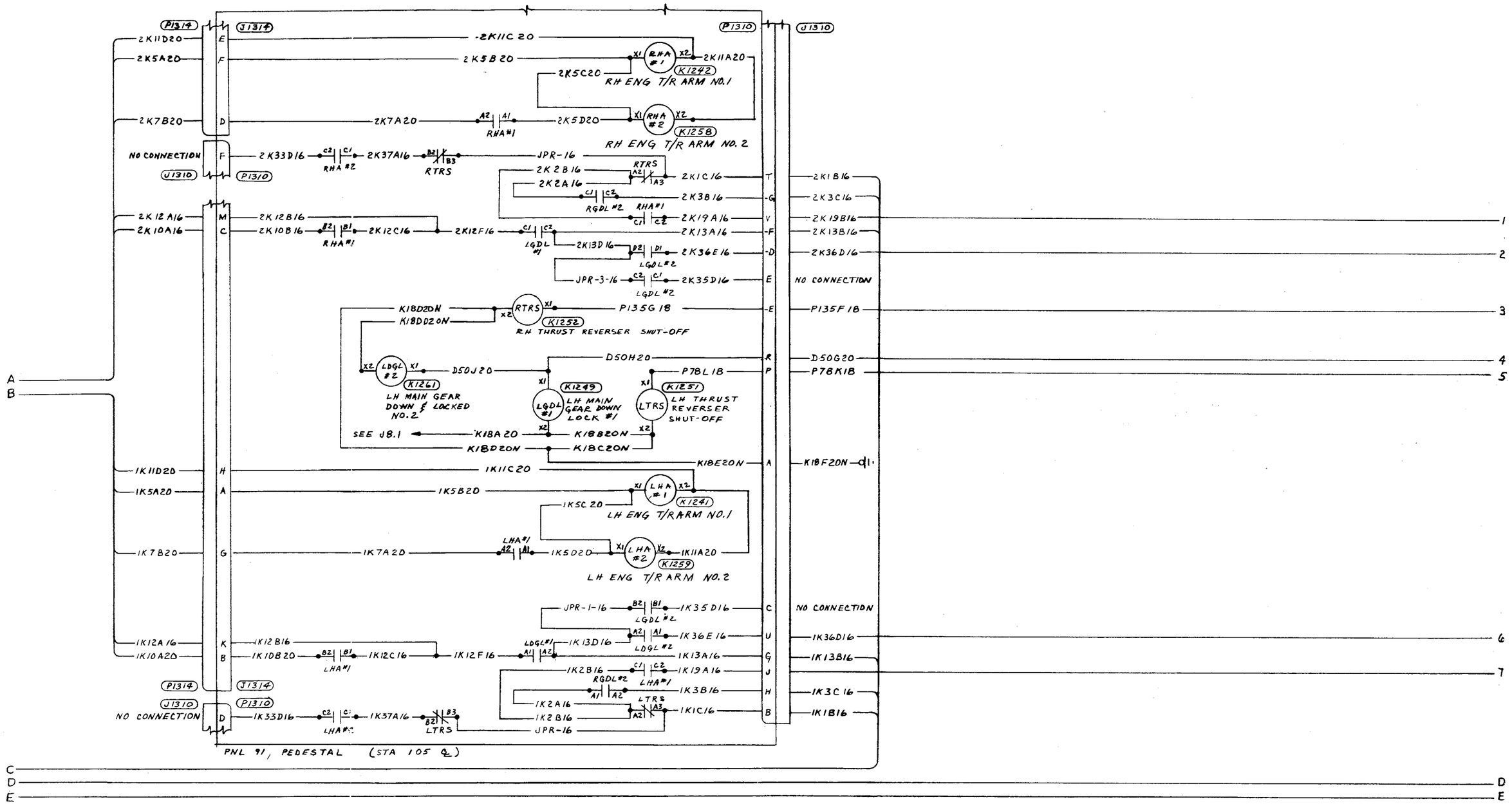

ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 2 of 3)

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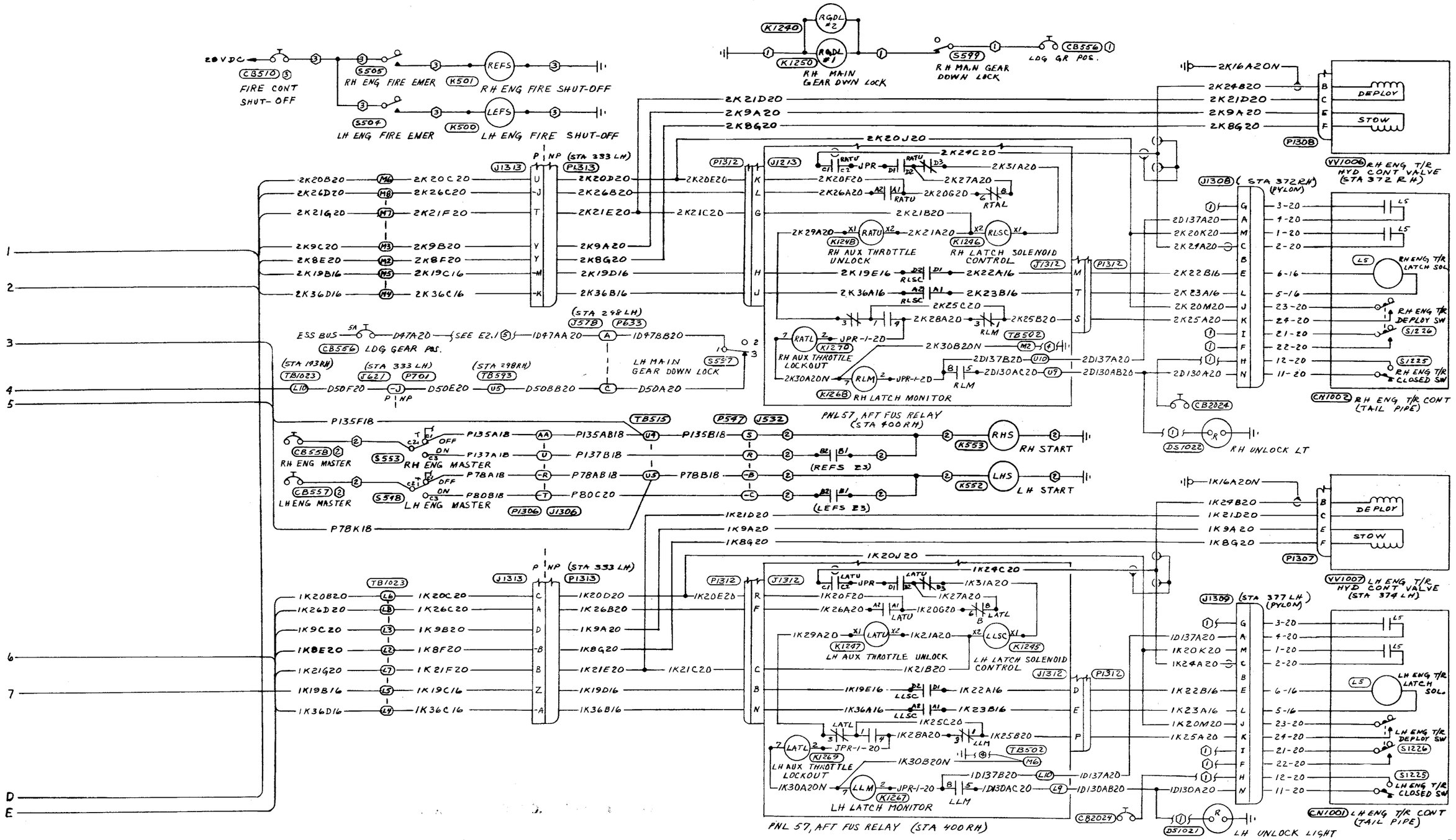

ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 3 of 3)

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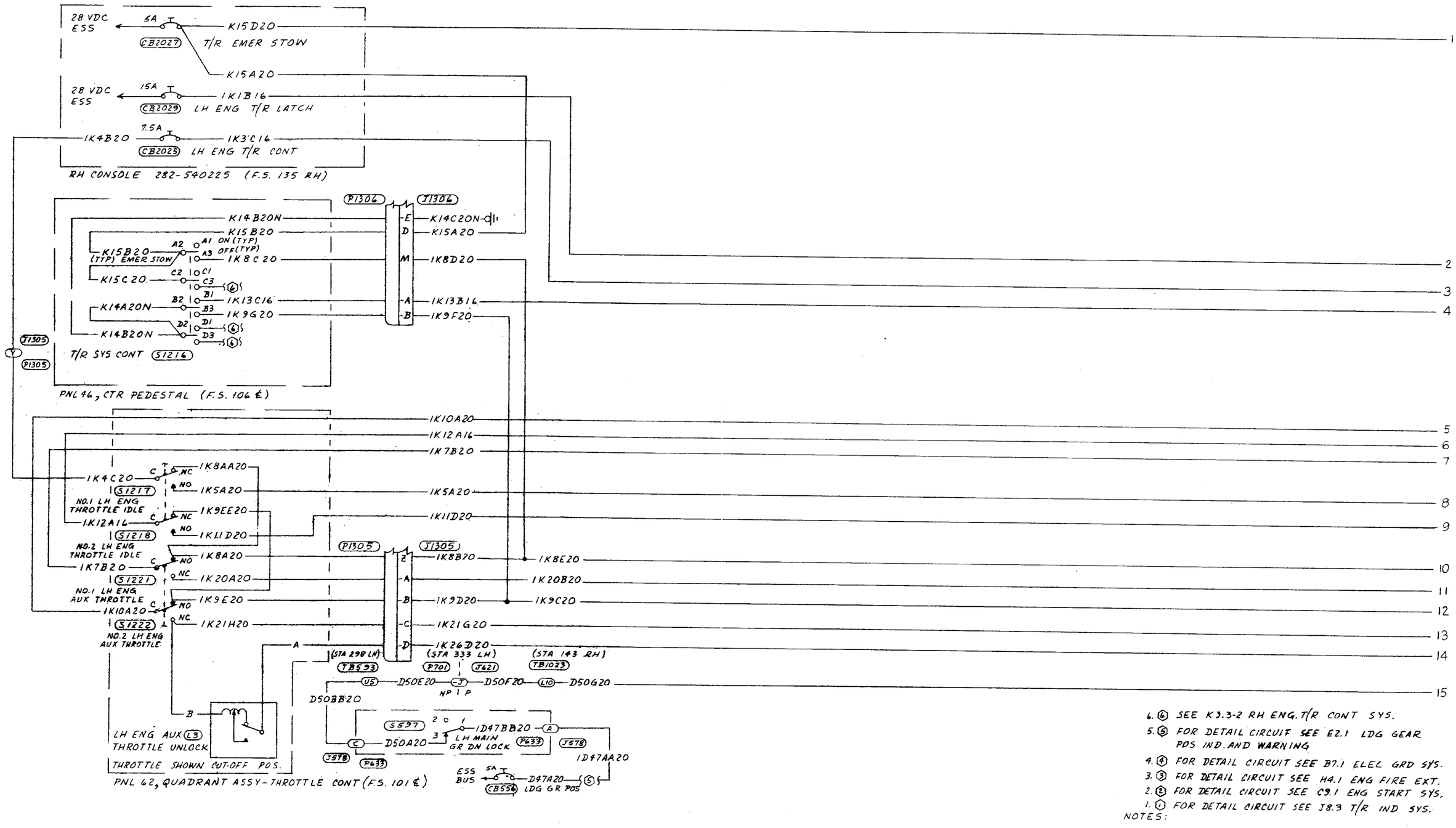

NOTES:
1. (1) FOR DETAIL CIRCUIT SEE J8.3 T/R IND SYS.
2. (2) FOR DETAIL CIRCUIT SEE C9.1 ENG START SYS.
3. (3) FOR DETAIL CIRCUIT SEE H4.1 ENG FIRE EXT.
4. (4) FOR DETAIL CIRCUIT SEE B7.1 ELEC GRD SYS.
5. (5) FOR DETAIL CIRCUIT SEE E2.1 LDG GEAR POS IND. AND WARNING
6. (6) SEE K3.3-2 RH ENG. T/R CONT SYS.

LH ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 1 of 3)

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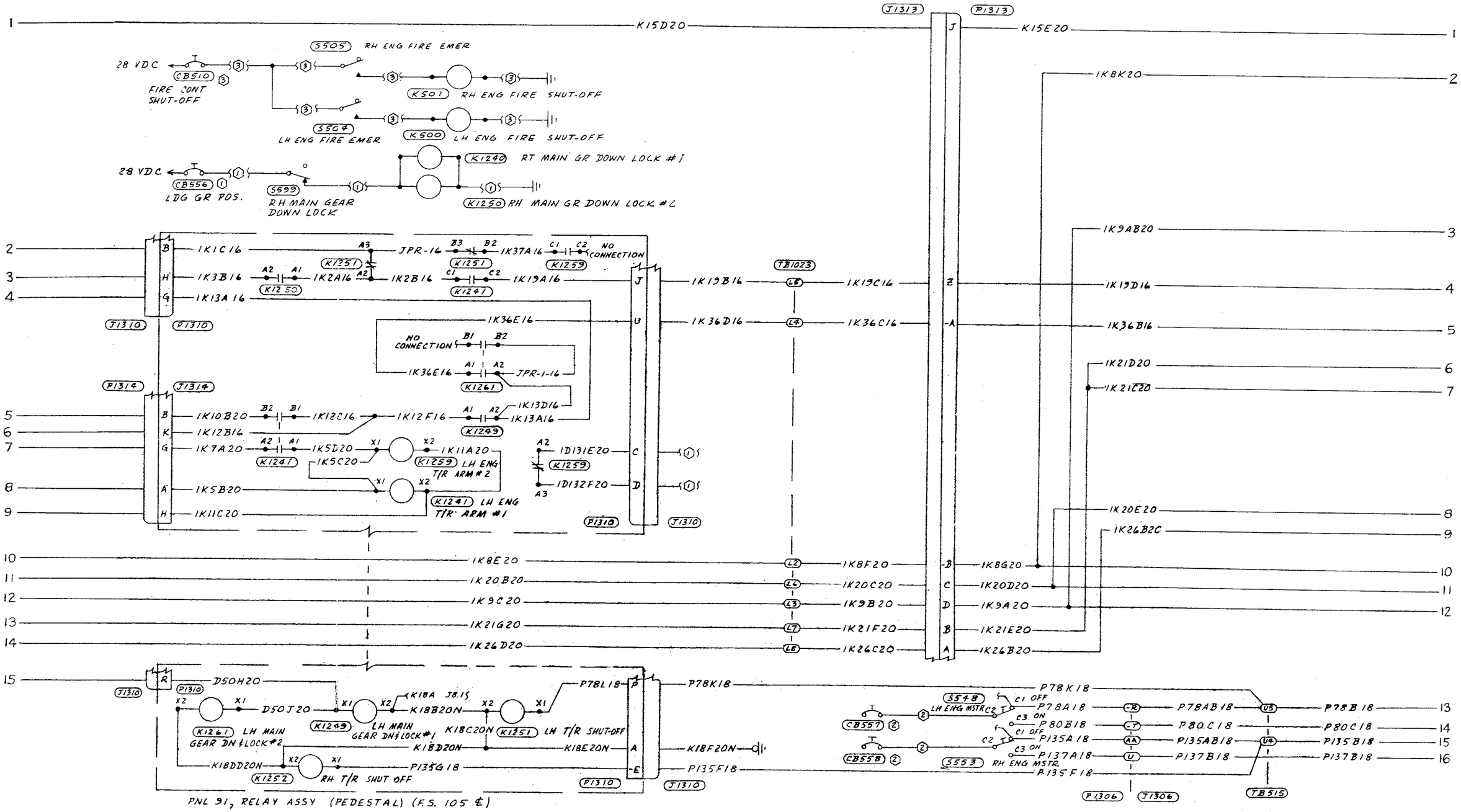

LH ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 2 of 3)

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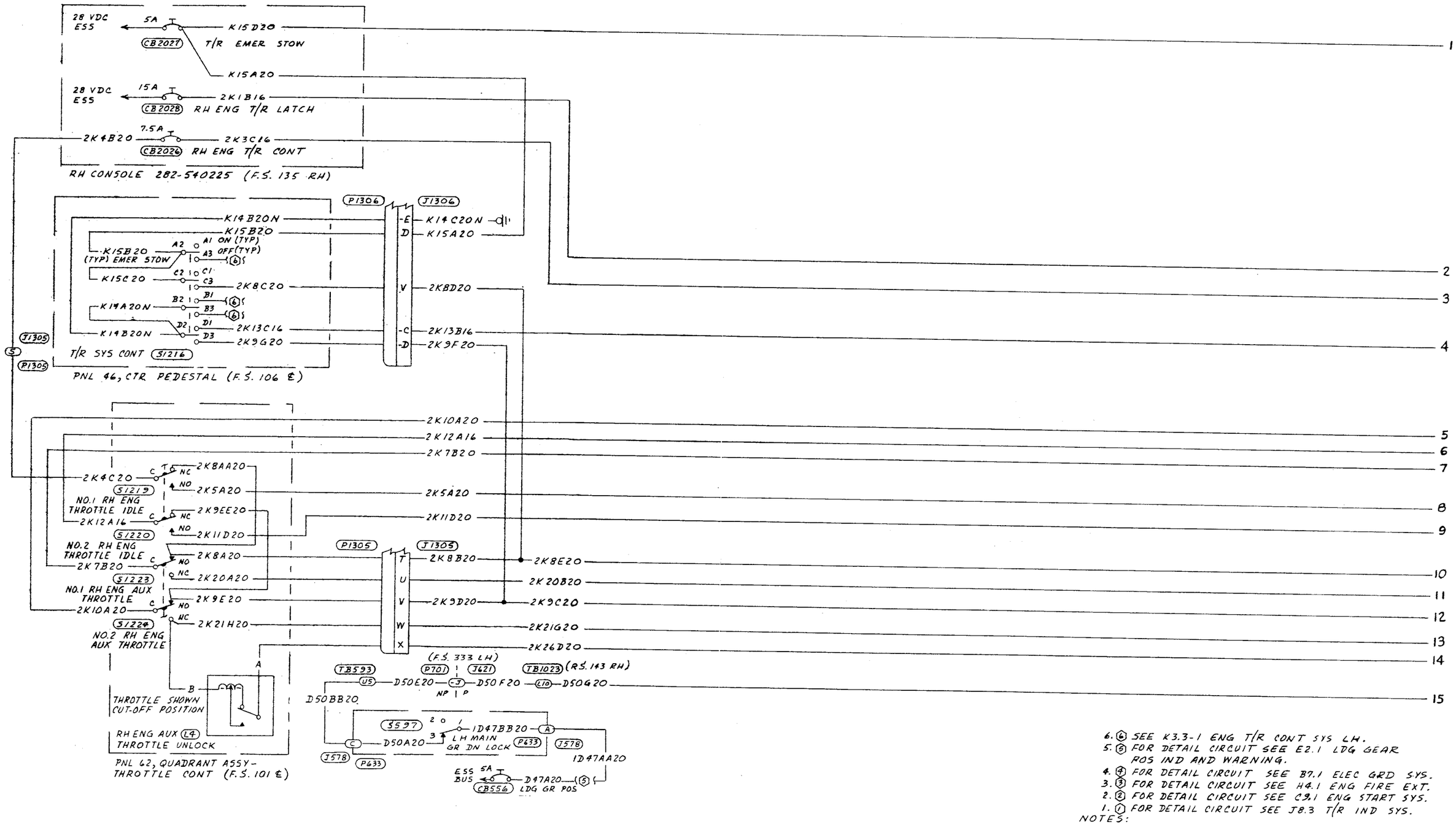

NOTES:
1. (1) FOR DETAIL CIRCUIT SEE J8.3 T/R IND SYS.
2. (2) FOR DETAIL CIRCUIT SEE C9.1 ENG START SYS.
3. (3) FOR DETAIL CIRCUIT SEE H4.1 ENG FIRE EXT.
4. (4) FOR DETAIL CIRCUIT SEE B7.1 ELEC GRD SYS.
5. (5) FOR DETAIL CIRCUIT SEE E2.1 LDG GEAR POS IND AND WARNING.
6. (6) SEE K3.3-1 ENG T/R CONT SYS LH.

RH ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 1 of 3)

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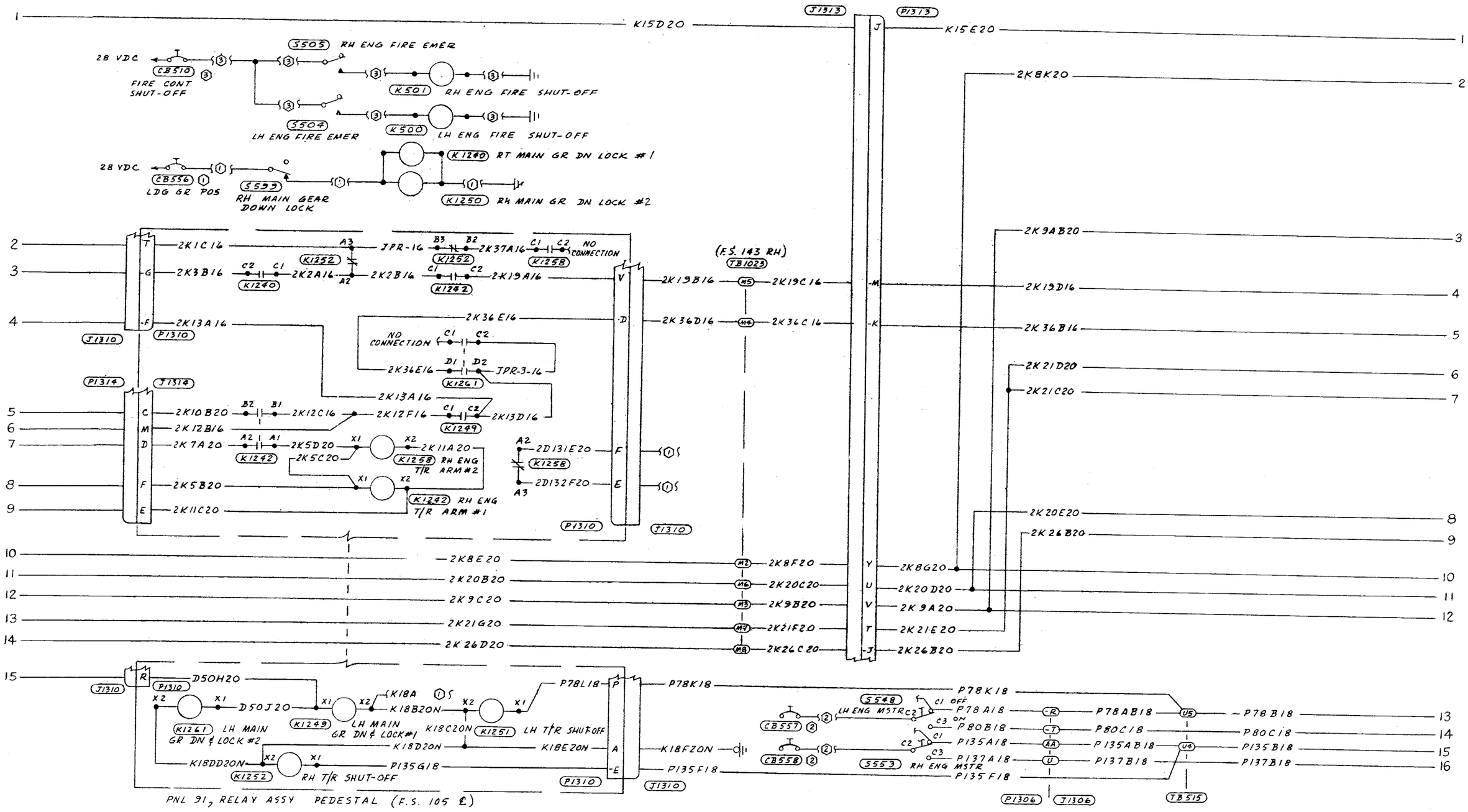

RH ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 2 of 3)

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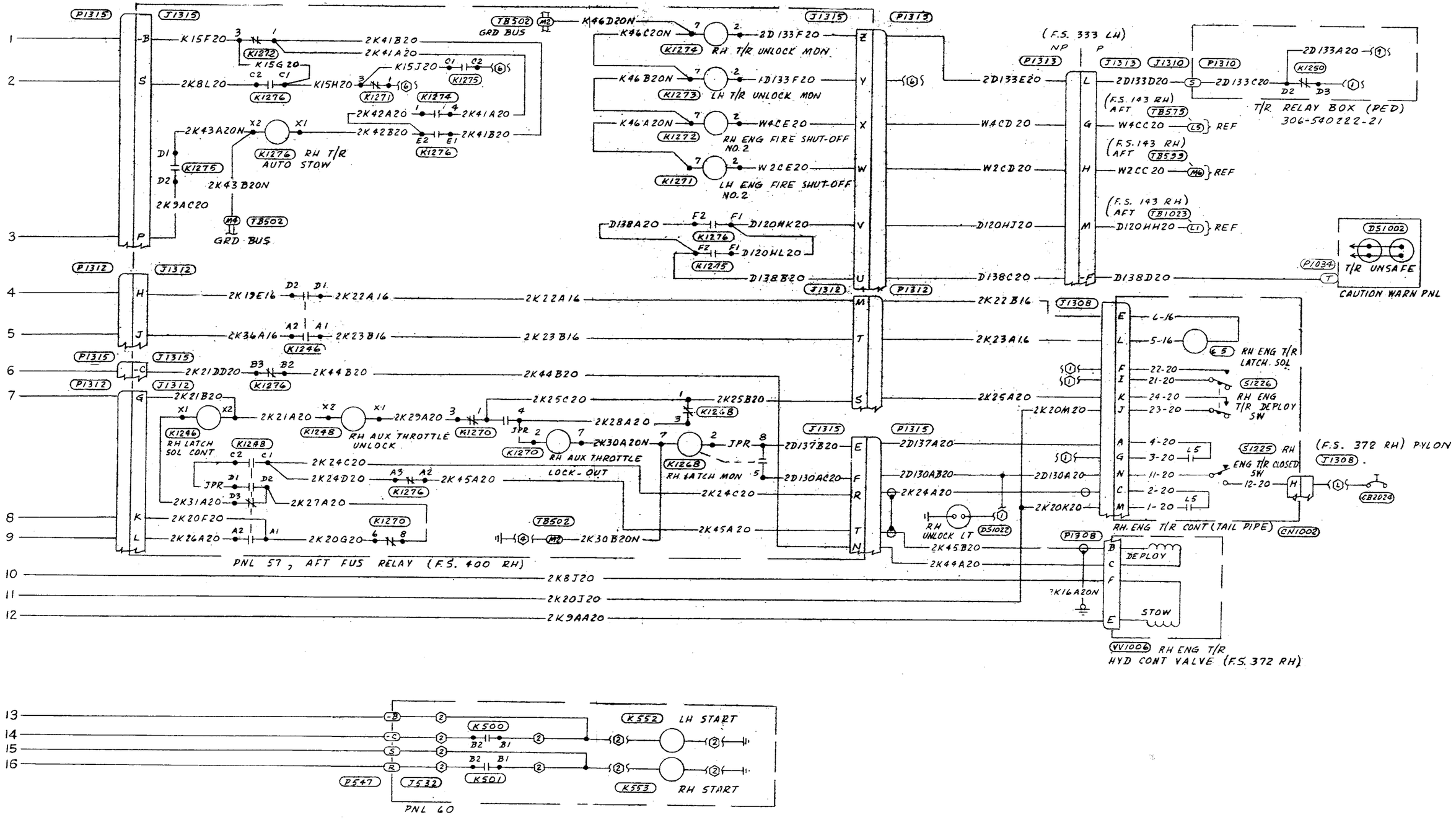

RH ENGINE THRUST REVERSER CONTROL SYSTEM
NA265-70, 370-2 thru 6, 8 and 9
(Sheet 3 of 3)

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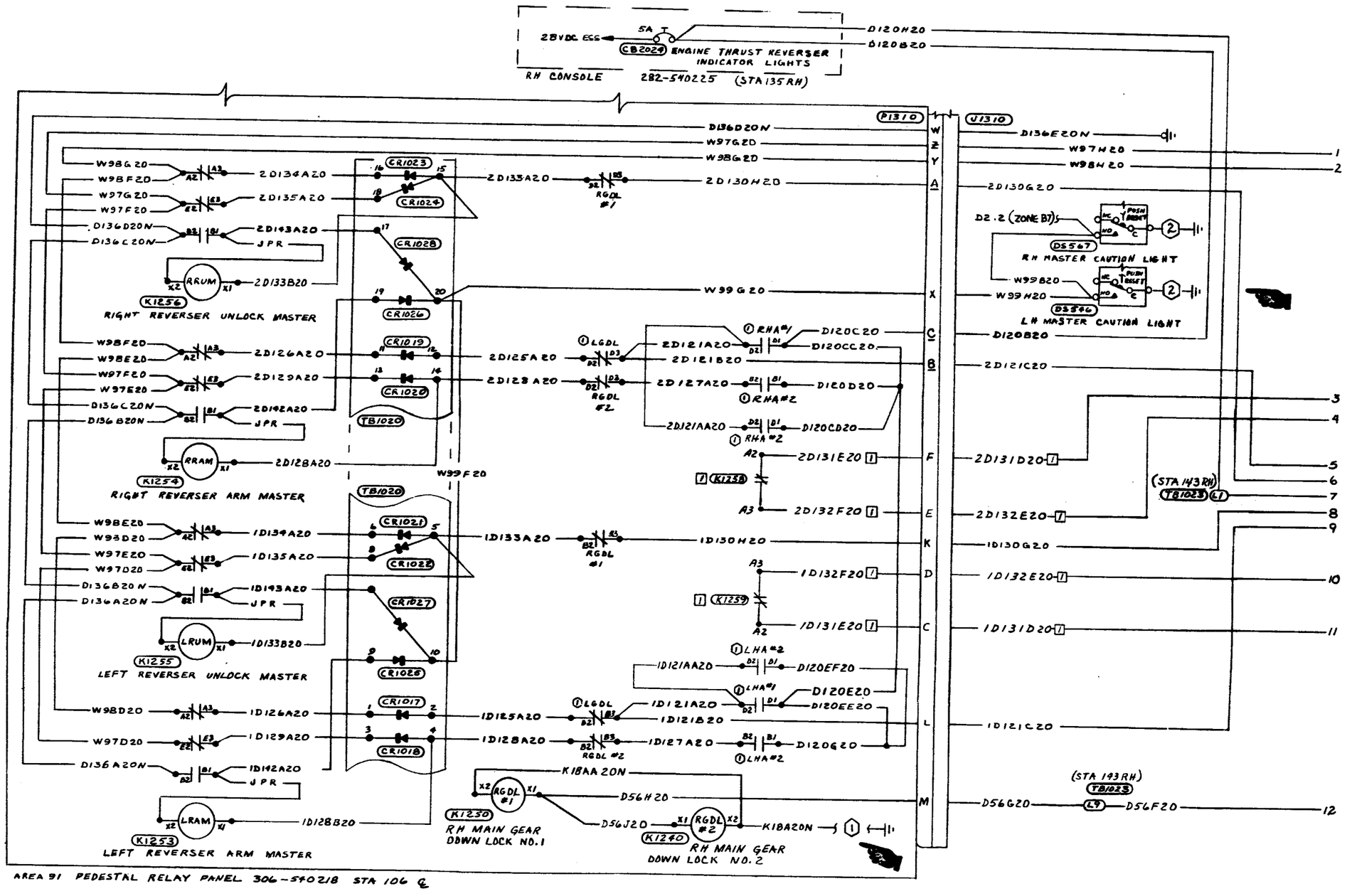
NOTES/LEGEND

1. SEE K3.1 ENGINE THRUST REVERSER CONTROL SYSTEM
2. SEE D2.1 CAUTION WARNING AND INDICATOR LIGHTS DIM AND TEST AND PASSENGER COMPARTMENT FLOOR STEP LIGHT SYSTEM

EFFECTIVITY

1. AIRPLANES CHANGED BY S/B 74-8
2. AIRPLANES CHANGED BY S/B 73-6
3. AIRPLANES NOT CHANGED BY S/B 73-6



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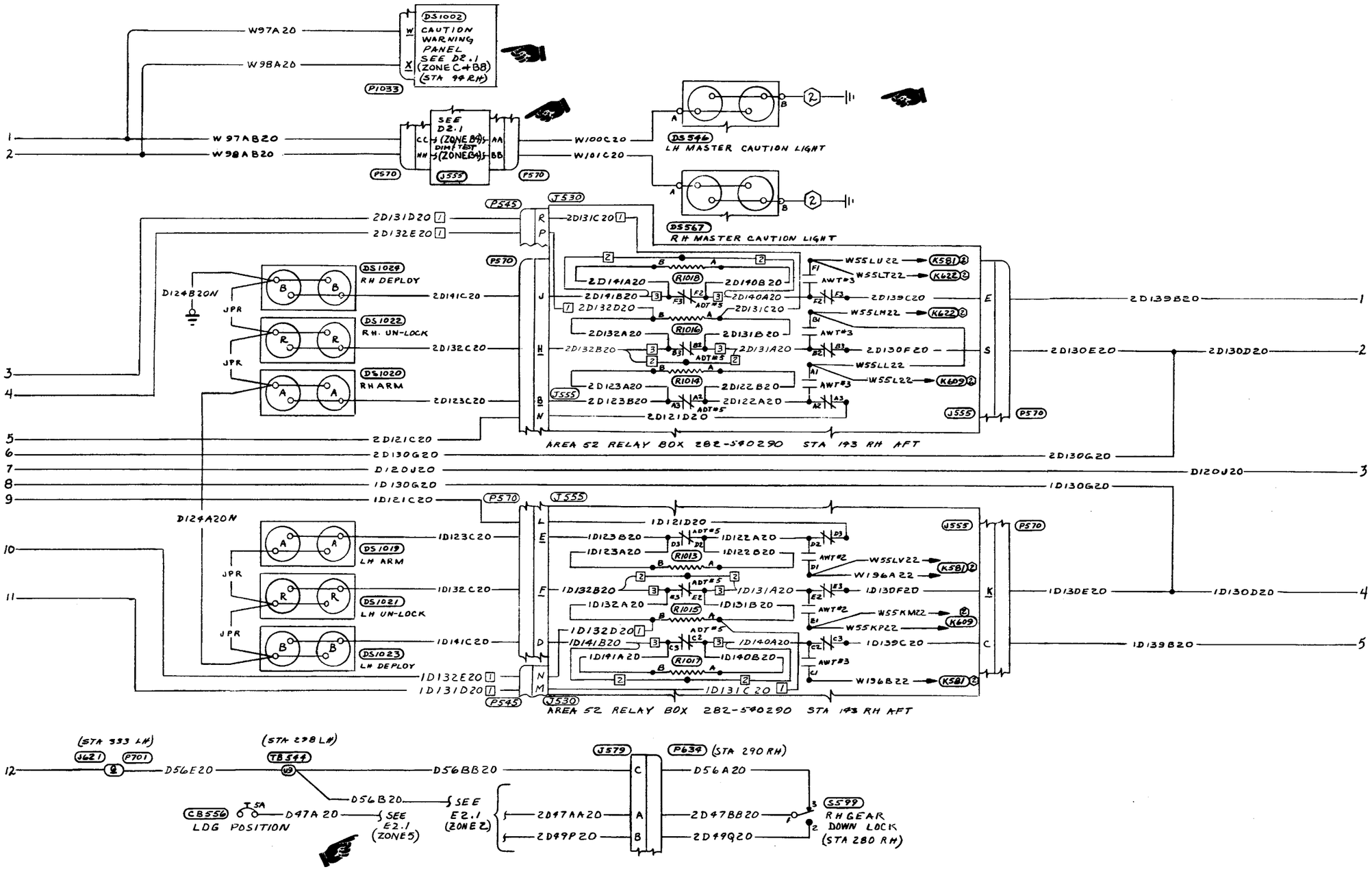

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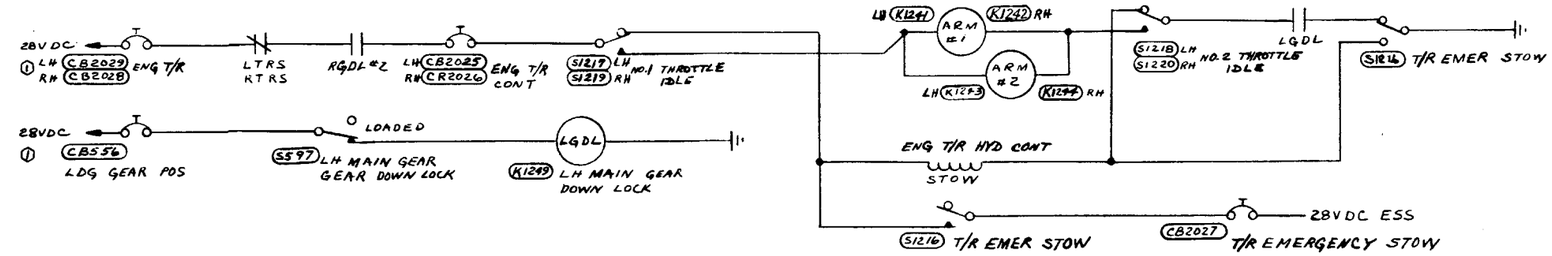

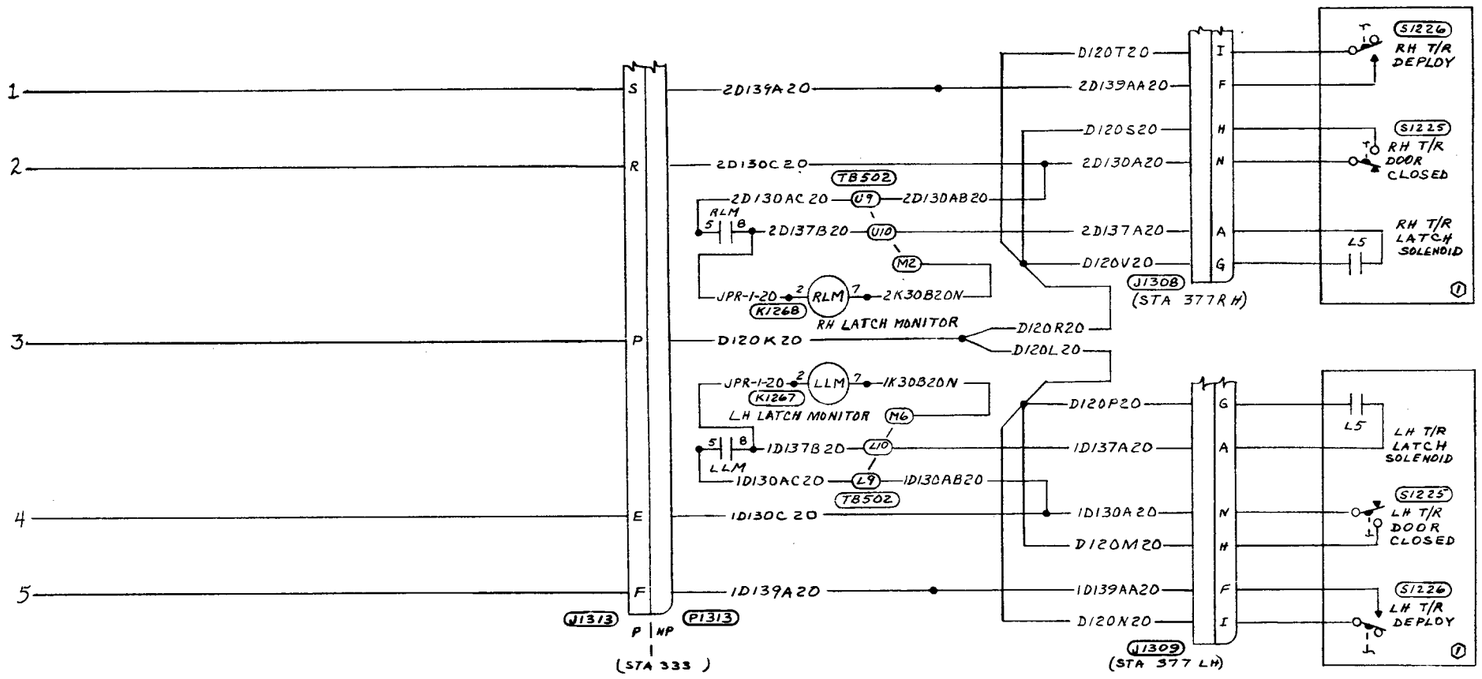

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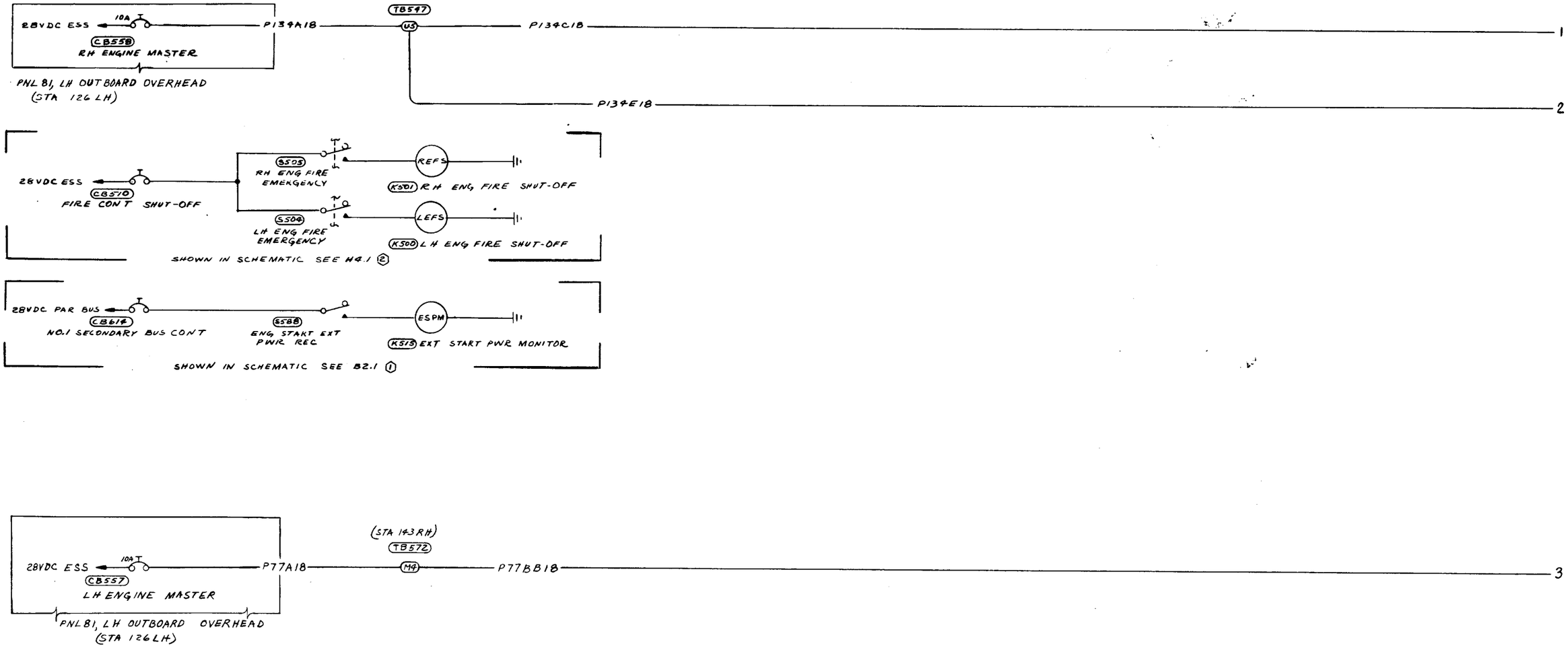
CHAPTER 80

STARTING



NOTES/LEGEND

1. SEE APPLICABLE SYSTEMS LISTED BELOW:
   - (1) B2.1 DC BUS TIE IN SYSTEM
   - (2) H4.1 ENGINE FIRE EXTINGUISHER SYSTEM
   - (3) C2.1 FUEL BOOST PUMP SYSTEM
   - C4.1 FUEL SHUT-OFF SYSTEM
   - (4) B7.1 ELECTRICAL GROUND SYSTEM
2. (5) DIODE 1N4007 ADDED PER S/L 81-12

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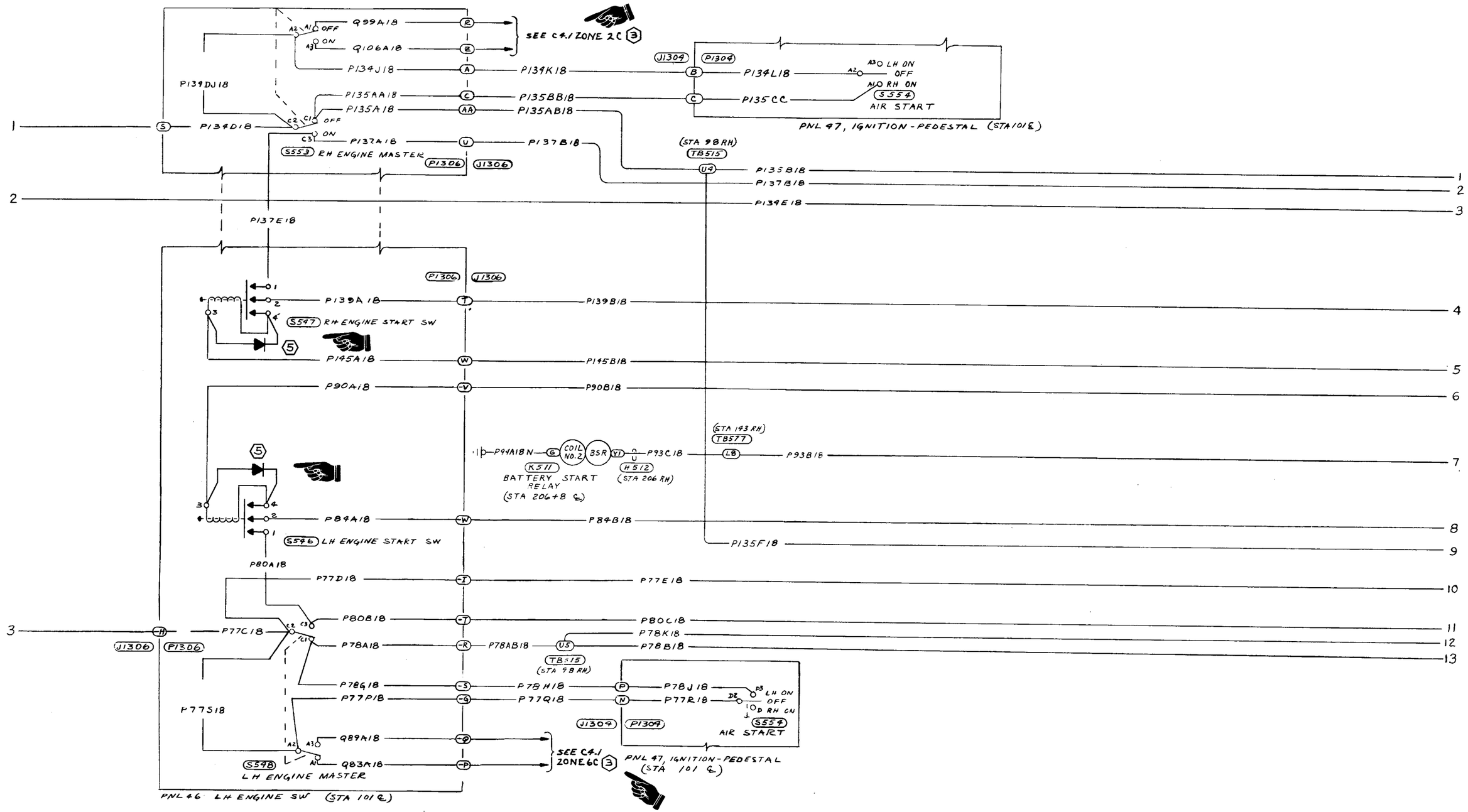

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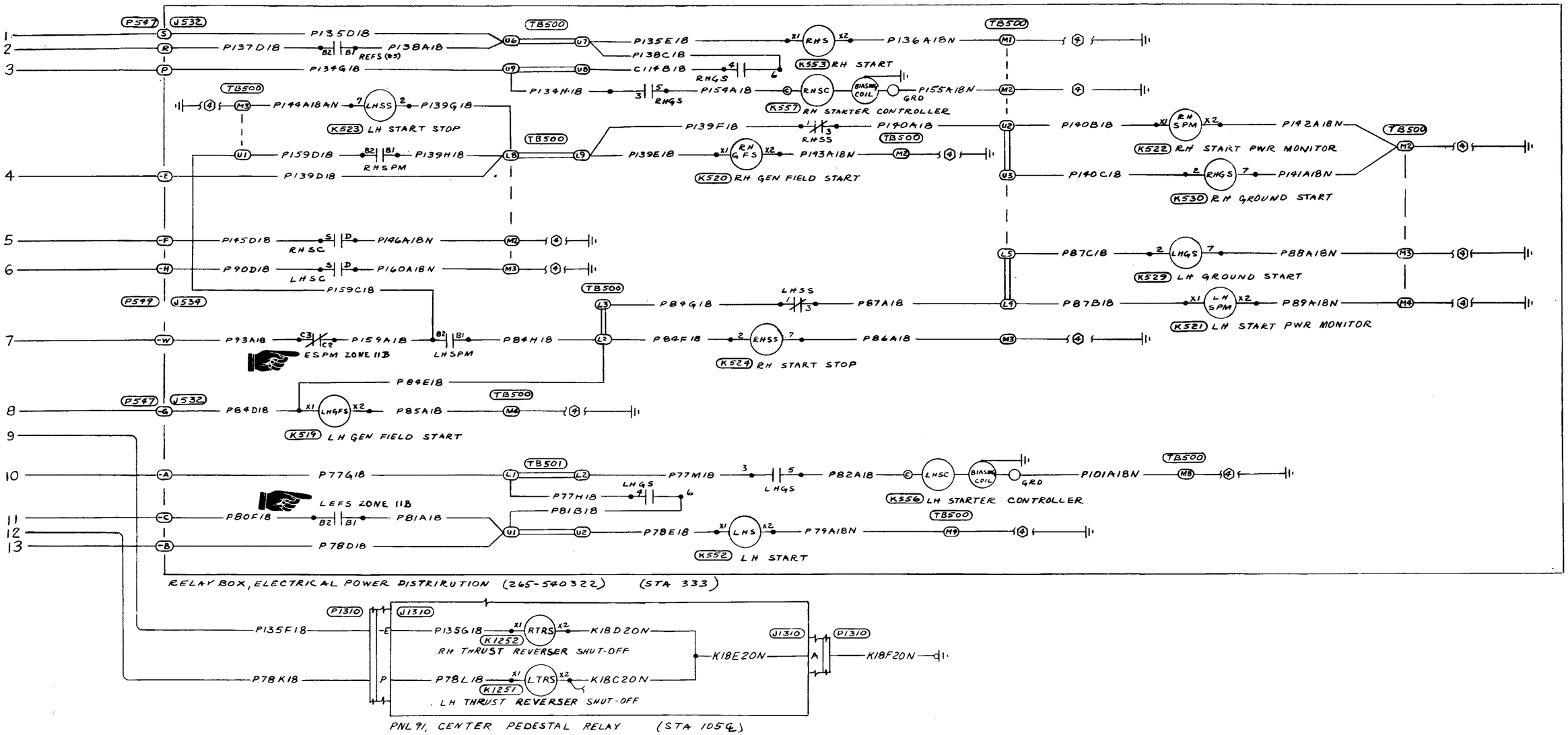

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